

CALCULATION SHEET FOR INCLINOMETER

Z-2 : B axis      DATE: Jan, 19 1990

DEPTH	B(I) Sep. 16, 1989	T/B(I)	B(0) Jan. 19, 1990	B(180)	B(n)	T/B(n)	T/B(n) T/B(I)	B(n) -B(I)
0.5	0.141	7.289	0.0075	-0.0046	0.121	7.489	0.200	-0.020
1.0	0.160	7.148	0.0114	-0.0081	0.195	7.368	0.220	0.035
1.5	0.175	6.988	0.0136	-0.0107	0.243	7.173	0.185	0.068
2.0	0.178	6.813	0.0119	-0.0088	0.207	6.930	0.117	0.029
2.5	0.160	6.635	0.0075	-0.0049	0.124	6.723	0.088	-0.036
3.0	0.115	6.475	0.0041	-0.0023	0.064	6.599	0.124	-0.051
3.5	-0.017	6.360	0.0000	0.0032	-0.032	6.535	0.175	-0.015
4.0	-0.047	6.377	-0.0009	0.0040	-0.049	6.567	0.190	-0.002
4.5	-0.037	6.424	0.0002	0.0031	-0.029	6.616	0.192	0.008
5.0	0.009	6.461	0.0040	-0.0007	0.047	6.645	0.184	0.038
5.5	0.087	6.452	0.0077	-0.0045	0.122	6.598	0.146	0.035
6.0	0.061	6.365	0.0054	-0.0025	0.079	6.476	0.111	0.018
6.5	0.206	6.304	0.0115	-0.0082	0.197	6.397	0.093	-0.009
7.0	0.309	6.098	0.0178	-0.0141	0.319	6.200	0.102	0.010
7.5	0.322	5.789	0.0184	-0.0150	0.334	5.881	0.092	0.012
8.0	0.243	5.467	0.0131	-0.0096	0.227	5.547	0.080	-0.016
8.5	0.149	5.224	0.0081	-0.0049	0.130	5.320	0.096	-0.019
9.0	0.114	5.075	0.0059	-0.0037	0.096	5.190	0.115	-0.018
9.5	0.015	4.961	-0.0001	0.0039	-0.040	5.094	0.133	-0.055
10.0	0.025	4.946	0.0013	0.0019	-0.006	5.134	0.188	-0.031
10.5	0.020	4.921	0.0025	0.0014	0.011	5.140	0.219	-0.009
11.0	-0.007	4.901	0.0017	0.0017	0.000	5.129	0.228	0.007
11.5	-0.005	4.908	0.0020	0.0016	0.004	5.129	0.221	0.009
12.0	0.028	4.913	0.0052	-0.0008	0.060	5.125	0.212	0.032
12.5	0.075	4.885	0.0051	-0.0017	0.068	5.065	0.180	-0.007
13.0	0.034	4.810	0.0035	0.0001	0.034	4.997	0.187	0.000
13.5	-0.003	4.776	0.0015	0.0021	-0.006	4.963	0.187	-0.003
14.0	-0.049	4.779	-0.0010	0.0051	-0.061	4.969	0.190	-0.012
14.5	-0.078	4.828	-0.0010	0.0050	-0.060	5.030	0.202	0.018
15.0	-0.023	4.906	0.0036	-0.0001	0.037	5.090	0.184	0.060
15.5	0.170	4.929	0.0116	-0.0077	0.193	5.053	0.124	0.023
16.0	0.257	4.759	0.0172	-0.0132	0.304	4.860	0.101	0.047
16.5	0.450	4.502	0.0278	-0.0236	0.514	4.556	0.054	0.064
17.0	0.618	4.052	0.0346	-0.0304	0.650	4.042	-0.010	0.032
17.5	0.698	3.434	0.0375	-0.0334	0.709	3.392	-0.042	0.011
18.0	0.621	2.736	0.0296	-0.0249	0.545	2.683	-0.053	-0.076
18.5	0.347	2.115	0.0192	-0.0149	0.341	2.138	0.023	-0.006
19.0	0.312	1.768	0.0186	-0.0140	0.326	1.797	0.029	0.014
19.5	0.309	1.456	0.0175	-0.0132	0.307	1.471	0.015	-0.002
20.0	0.275	1.147	0.0163	-0.0116	0.279	1.164	0.017	0.004
20.5	0.289	0.872	0.0174	-0.0131	0.305	0.885	0.013	0.016
21.0	0.282	0.583	0.0134	-0.01	0.234	0.580	-0.003	-0.048
21.5	0.117	0.301	0.0083	-0.0033	0.116	0.346	0.045	-0.001
22.0	0.095	0.184	0.0074	-0.0028	0.102	0.230	0.046	0.007
22.5	0.047	0.089	0.0043	0.0007	0.036	0.128	0.039	-0.011
23.0	-0.013	0.042	0.0021	0.0030	-0.009	0.092	0.050	0.004
23.5	0.014	0.055	0.0046	0.0005	0.041	0.101	0.046	0.027
24.0	0.041	0.041	0.0057	-0.0003	0.060	0.060	0.019	0.019



CALCULATION SHEET FOR INCLINOMETER

Z-2 : B axis      DATE:      Feb. 28, 1990

DEPTH	B(I) Sep. 16, 1989	T/B(I) 1989	B(0) Feb. 28, 1990	B(180)	B(n)	T/B(n)	T/B(n) -T/B(I)	B(n) -B(I)
0.5	0.141	7.289	0.0051	-0.0050	0.101	7.560	0.271	-0.040
1.0	0.160	7.148	0.0101	-0.0096	0.197	7.459	0.311	0.037
1.5	0.175	6.988	0.0121	-0.0120	0.241	7.262	0.274	0.066
2.0	0.178	6.813	0.0101	-0.0101	0.202	7.021	0.208	0.024
2.5	0.160	6.635	0.0073	-0.0077	0.150	6.819	0.184	-0.010
3.0	0.115	6.475	0.0028	-0.0038	0.066	6.669	0.194	-0.049
3.5	-0.017	6.360	-0.0019	0.0016	-0.035	6.603	0.243	-0.018
4.0	-0.047	6.377	-0.0025	0.0025	-0.050	6.638	0.261	-0.003
4.5	-0.037	6.424	-0.0010	0.0012	-0.022	6.688	0.264	0.015
5.0	0.009	6.461	0.0028	-0.0025	0.053	6.710	0.249	0.044
5.5	0.087	6.452	0.0059	-0.0057	0.116	6.657	0.205	0.029
6.0	0.061	6.365	0.0043	-0.0043	0.086	6.541	0.176	0.025
6.5	0.206	6.304	0.0106	-0.0099	0.205	6.455	0.151	-0.001
7.0	0.309	6.098	0.0163	-0.0163	0.326	6.250	0.152	0.017
7.5	0.322	5.789	0.0174	-0.0179	0.353	5.924	0.135	0.031
8.0	0.243	5.467	0.0119	-0.0122	0.241	5.571	0.104	-0.002
8.5	0.149	5.224	0.0066	-0.0077	0.143	5.330	0.106	-0.006
9.0	0.114	5.075	0.0042	-0.0049	0.091	5.187	0.112	-0.023
9.5	0.015	4.961	-0.0032	0.0034	-0.066	5.096	0.135	-0.081
10.0	0.025	4.946	-0.0030	0.0034	-0.064	5.162	0.216	-0.089
10.5	0.020	4.921	0.0002	0.0001	0.001	5.226	0.305	-0.019
11.0	-0.007	4.901	0.0002	0.0001	0.001	5.225	0.324	0.008
11.5	-0.005	4.908	0.0006	0.0001	0.005	5.224	0.316	0.010
12.0	0.028	4.913	0.0040	-0.0033	0.073	5.219	0.306	0.045
12.5	0.075	4.885	0.0036	-0.0032	0.068	5.146	0.261	-0.007
13.0	0.034	4.810	0.0018	-0.0018	0.036	5.078	0.268	0.002
13.5	-0.003	4.776	0.0003	0.0003	-0.003	5.042	0.266	0.000
14.0	-0.049	4.779	-0.0025	0.0031	-0.056	5.045	0.266	-0.007
14.5	-0.078	4.828	-0.0026	0.0032	-0.058	5.101	0.273	0.020
15.0	-0.023	4.806	0.0021	-0.0020	0.041	5.159	0.253	0.064
15.5	0.170	4.929	0.0039	-0.0036	0.195	5.118	0.189	0.025
16.0	0.257	4.759	0.0155	-0.0153	0.308	4.923	0.164	0.051
16.5	0.450	4.502	0.0261	-0.0258	0.519	4.615	0.113	0.069
17.0	0.618	4.052	0.0330	-0.0325	0.655	4.096	0.044	0.037
17.5	0.698	3.434	0.0359	-0.0352	0.711	3.441	0.007	0.013
18.0	0.621	2.736	0.0274	-0.0271	0.545	2.730	-0.006	-0.076
18.5	0.347	2.115	0.0174	-0.0167	0.341	2.185	0.070	-0.006
19.0	0.312	1.768	0.0163	-0.0161	0.330	1.844	0.076	0.018
19.5	0.309	1.456	0.0159	-0.0150	0.309	1.514	0.058	0.000
20.0	0.275	1.147	0.0147	-0.0137	0.284	1.205	0.058	0.009
20.5	0.289	0.872	0.0158	-0.0153	0.311	0.921	0.049	0.022
21.0	0.282	0.583	0.0116	-0.0117	0.233	0.610	0.027	-0.049
21.5	0.117	0.301	0.0065	-0.0055	0.120	0.377	0.076	0.003
22.0	0.095	0.184	0.0060	-0.0048	0.108	0.257	0.073	0.013
22.5	0.047	0.089	0.0026	-0.0013	0.039	0.149	0.060	-0.008
23.0	-0.013	0.042	0.0005	0.0007	-0.002	0.110	0.068	0.011
23.5	0.014	0.055	0.0029	-0.0015	0.044	0.112	0.057	0.030
24.0	0.041	0.041	0.0042	-0.0026	0.068	0.068	0.027	0.027



CALCULATION SHEET FOR INCLINOMETER

Z-2 : B axis      DATE:      MCH. 19, 1990

DEPTH	B(I) Sep. 16, 1989	T/B(I)	B(0)	B(180)	B(n)	T/B(n)	T/B(n) -T/B(I)	B(n) -B(I)
0.5	0.141	7.289	0.0048	-0.0043	0.091	7.349	0.060	-0.050
1.0	0.160	7.148	0.0117	-0.0105	0.222	7.258	0.110	0.062
1.5	0.175	6.988	0.0154	-0.0149	0.303	7.036	0.048	0.128
2.0	0.178	6.813	0.0121	-0.0117	0.238	6.733	-0.080	0.060
2.5	0.160	6.635	0.0073	-0.0067	0.140	6.495	-0.140	-0.020
3.0	0.115	6.475	0.0024	-0.0035	0.059	6.355	-0.120	-0.056
3.5	-0.017	6.360	-0.0019	0.0025	-0.044	6.296	-0.064	-0.027
4.0	-0.047	6.377	-0.0025	0.0029	-0.054	6.340	-0.037	-0.007
4.5	-0.037	6.424	-0.0006	0.0012	-0.018	6.394	-0.030	0.019
5.0	0.009	6.461	0.0030	-0.0023	0.053	6.412	-0.049	0.044
5.5	0.087	6.452	0.0061	-0.0057	0.118	6.359	-0.093	0.031
6.0	0.061	6.365	0.0042	-0.0040	0.082	6.241	-0.124	0.021
6.5	0.206	6.304	0.0104	-0.0099	0.203	6.159	-0.145	-0.003
7.0	0.309	6.098	0.0164	-0.0156	0.320	5.956	-0.142	0.011
7.5	0.322	5.789	0.0177	-0.0170	0.347	5.636	-0.153	0.025
8.0	0.243	5.467	0.0121	-0.0114	0.235	5.289	-0.178	-0.008
8.5	0.149	5.224	0.0067	-0.0070	0.137	5.054	-0.170	-0.012
9.0	0.114	5.075	0.0041	-0.0051	0.092	4.917	-0.158	-0.022
9.5	0.016	4.981	-0.0052	0.0056	-0.108	4.825	-0.136	-0.123
10.0	0.025	4.946	-0.0062	0.0063	-0.125	4.933	-0.013	-0.150
10.5	0.020	4.921	-0.0068	0.0014	-0.022	5.058	0.107	-0.042
11.0	-0.007	4.901	0.0001	0.0003	-0.002	5.080	0.173	0.005
11.5	-0.005	4.908	0.0004	0.0001	0.003	5.082	0.174	0.008
12.0	0.028	4.913	0.0028	-0.0025	0.063	5.079	0.166	0.035
12.5	0.075	4.885	0.0034	-0.0032	0.066	5.016	0.131	-0.009
13.0	0.034	4.810	0.0016	-0.0014	0.030	4.950	0.140	-0.004
13.5	-0.003	4.776	-0.0003	0.0004	-0.007	4.920	0.144	-0.004
14.0	-0.049	4.779	-0.0029	0.0036	-0.065	4.927	0.148	-0.016
14.5	-0.078	4.828	-0.0029	0.0035	-0.064	4.892	0.164	0.014
15.0	-0.023	4.906	0.0016	-0.0019	0.035	5.056	0.150	0.058
15.5	0.170	4.929	0.0096	-0.0095	0.191	5.021	0.092	0.021
16.0	0.257	4.759	0.0151	-0.0151	0.302	4.830	0.071	0.045
16.5	0.450	4.502	0.0256	-0.0253	0.509	4.528	0.026	0.059
17.0	0.618	4.052	0.0327	-0.0322	0.649	4.019	-0.033	0.031
17.5	0.698	3.434	0.0356	-0.0352	0.708	3.370	-0.064	0.010
18.0	0.621	2.736	0.0273	-0.0268	0.541	2.662	-0.074	-0.080
18.5	0.347	2.115	0.0170	-0.0167	0.337	2.121	0.006	-0.010
19.0	0.312	1.768	0.0167	-0.0160	0.327	1.784	0.016	0.015
19.5	0.309	1.456	0.0155	-0.0151	0.308	1.457	0.001	-0.003
20.0	0.275	1.147	0.0142	-0.0135	0.277	1.151	0.004	0.002
20.5	0.289	0.872	0.0155	-0.0150	0.305	0.874	0.002	0.016
21.0	0.282	0.583	0.0112	-0.0120	0.232	0.589	-0.014	-0.050
21.5	0.117	0.301	0.0060	-0.0055	0.115	0.337	0.036	-0.002
22.0	0.095	0.184	0.0053	-0.0048	0.101	0.222	0.038	0.006
22.5	0.047	0.089	0.0021	-0.0012	0.033	0.121	0.032	-0.014
23.0	-0.013	0.042	0.0000	0.0008	-0.008	0.088	0.046	0.005
23.5	0.014	0.055	0.0021	-0.0014	0.035	0.096	0.041	0.021
24.0	0.041	0.041	0.0035	-0.0026	0.061	0.061	0.020	0.020



CALCULATION SHEET FOR INCLINOMETER

Z-2 : B axis      DATE: AFR. 26, 1990

DEPTH	B(I) Sep. 16, 1989	T/B(I) 1989	B(0) Apr. 26, 1990	B(180)	B(n)	T/B(n)	T/B(n) -T/B(I)	B(n) -B(I)
0.5	0.141	7.289	0.0060	-0.0058	0.118	7.423	0.134	-0.023
1.0	0.160	7.148	0.0105	-0.0097	0.202	7.305	0.157	0.042
1.5	0.175	6.988	0.0151	-0.0143	0.294	7.103	0.115	0.119
2.0	0.178	6.813	0.0125	-0.0121	0.246	6.809	-0.004	0.068
2.5	0.160	6.635	0.0075	-0.0070	0.145	6.563	-0.072	-0.015
3.0	0.115	6.475	0.0035	-0.0037	0.072	6.418	-0.057	-0.043
3.5	-0.017	6.360	-0.0017	0.0024	-0.041	6.346	-0.014	-0.024
4.0	-0.047	6.377	-0.0023	0.0031	-0.054	6.387	0.010	-0.007
4.5	-0.037	6.424	-0.0010	0.0016	-0.026	6.441	0.017	0.011
5.0	0.009	6.461	0.0024	-0.0018	0.042	6.467	0.006	0.033
5.5	0.087	6.452	0.0063	-0.0056	0.119	6.425	-0.027	0.032
6.0	0.061	6.365	0.0038	-0.0034	0.072	6.306	-0.059	0.011
6.5	0.206	6.304	0.0099	-0.0091	0.190	6.234	-0.070	-0.016
7.0	0.309	6.098	0.0154	-0.0148	0.302	6.044	-0.054	-0.007
7.5	0.322	5.789	0.0182	-0.0171	0.353	5.742	-0.047	0.031
8.0	0.243	5.467	0.0130	-0.0123	0.253	5.389	-0.078	0.010
8.5	0.149	5.224	0.0072	-0.0067	0.139	5.136	-0.088	-0.010
9.0	0.114	5.075	0.0036	-0.0057	0.093	4.997	-0.078	-0.021
9.5	0.015	4.961	-0.0045	0.0047	-0.092	4.904	-0.057	-0.107
10.0	0.025	4.946	-0.0064	0.0072	-0.136	4.996	0.050	-0.161
10.5	0.020	4.921	-0.0012	0.0017	-0.029	5.132	0.211	-0.049
11.0	-0.007	4.901	0.0004	0.0005	-0.001	5.161	0.260	0.006
11.5	-0.005	4.908	0.0006	0.0002	0.004	5.162	0.254	0.009
12.0	0.028	4.913	0.0034	-0.0017	0.051	5.158	0.245	0.023
12.5	0.075	4.885	0.0043	-0.0040	0.083	5.107	0.222	0.008
13.0	0.034	4.810	0.0002	-0.0015	0.017	5.024	0.214	-0.017
13.5	-0.003	4.776	0.0003	-0.0004	0.007	5.007	0.231	0.010
14.0	-0.049	4.779	-0.0020	0.0034	-0.054	5.000	0.221	-0.005
14.5	-0.078	4.828	-0.0027	0.0039	-0.066	5.054	0.226	0.012
15.0	-0.023	4.906	0.0006	-0.0005	0.011	5.120	0.214	0.034
15.5	0.170	4.929	0.0102	-0.0085	0.187	5.109	0.180	0.017
16.0	0.257	4.759	0.0145	-0.0127	0.272	4.922	0.153	0.015
16.5	0.450	4.502	0.0246	-0.0234	0.480	4.650	0.148	0.030
17.0	0.618	4.052	0.0325	-0.0313	0.638	4.170	0.118	0.020
17.5	0.698	3.434	0.0359	-0.0348	0.707	3.532	0.098	0.009
18.0	0.621	2.736	0.0299	-0.0286	0.585	2.825	0.089	-0.036
18.5	0.347	2.115	0.0182	-0.0169	0.351	2.240	0.125	0.004
19.0	0.312	1.768	0.0172	-0.0155	0.327	1.889	0.121	0.015
19.5	0.309	1.456	0.0168	-0.0151	0.319	1.562	0.106	0.010
20.0	0.275	1.147	0.0150	-0.0133	0.283	1.243	0.096	0.008
20.5	0.289	0.872	0.0165	-0.0144	0.309	0.960	0.088	0.020
21.0	0.282	0.583	0.0123	-0.0137	0.260	0.651	0.068	-0.022
21.5	0.117	0.301	0.0071	-0.0036	0.107	0.391	0.090	-0.010
22.0	0.095	0.184	0.0069	-0.0048	0.117	0.284	0.100	0.022
22.5	0.047	0.089	0.0039	-0.0018	0.057	0.167	0.078	0.010
23.0	-0.013	0.042	0.0011	0.0014	-0.003	0.110	0.068	0.010
23.5	0.014	0.055	0.0032	-0.0009	0.041	0.113	0.058	0.027
24.0	0.041	0.041	0.0050	-0.0022	0.072	0.072	0.031	0.031





CALCULATION SHEET FOR INCLINOMETER

Z-2 : B axis      DATE:      MAY.24, 1990

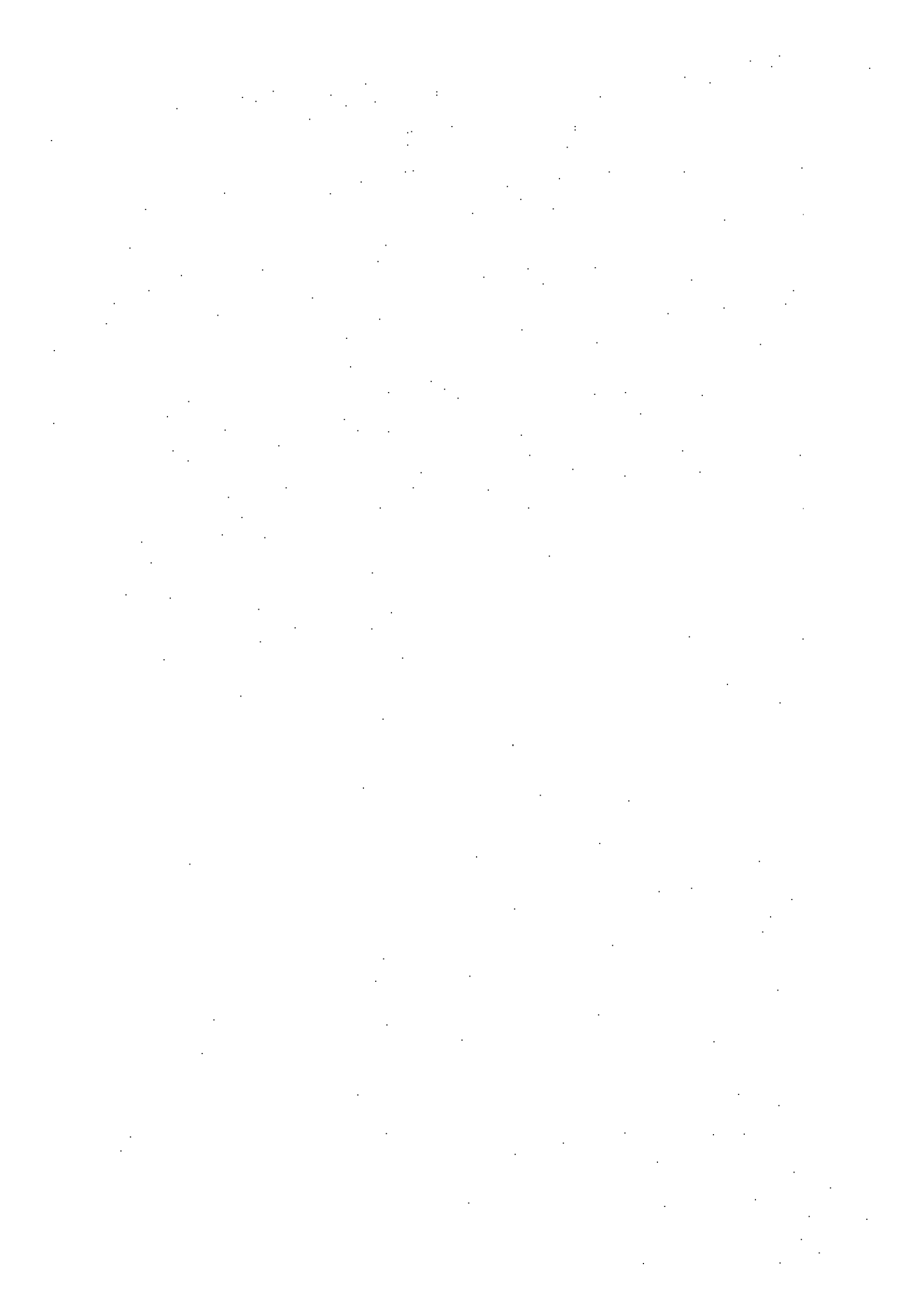
DEPTH	B(I)	T/B(I)	B(0)	B(180)	E(n)	T/B(n)	T/B(n)	E(n)
	Sep. 16,	1989	May. 24,	1990			T/B(I)	-B(I)
0.5	0.141	7.289	0.0082	-0.0082	0.164	7.224	-0.065	0.023
1.0	0.160	7.143	0.0105	-0.0103	0.208	7.060	-0.088	0.048
1.5	0.175	6.988	0.0130	-0.0127	0.257	6.852	-0.136	0.092
2.0	0.178	6.813	0.0118	-0.0119	0.237	6.595	-0.218	0.059
2.5	0.160	6.635	0.0070	-0.0071	0.141	6.358	-0.277	-0.019
3.0	0.115	6.475	0.0022	-0.0030	0.052	6.217	-0.258	-0.063
3.5	-0.017	6.260	-0.0027	0.0027	-0.054	6.165	-0.195	-0.037
4.0	-0.047	6.377	-0.0029	0.0032	-0.061	6.219	-0.158	-0.014
4.5	-0.037	6.424	-0.0012	0.0015	-0.027	6.280	-0.144	0.010
5.0	0.009	6.461	0.0026	-0.0024	0.050	6.307	-0.154	0.041
5.5	0.087	6.452	0.0059	-0.0058	0.117	6.257	-0.195	0.030
6.0	0.061	6.365	0.0038	-0.0037	0.075	6.140	-0.225	0.014
6.5	0.206	6.304	0.0100	-0.0096	0.196	6.065	-0.239	-0.010
7.0	0.309	6.098	0.0159	-0.0156	0.315	5.869	-0.229	0.006
7.5	0.322	5.789	0.0175	-0.0173	0.343	5.554	-0.235	0.026
8.0	0.243	5.467	0.0113	-0.0117	0.235	5.206	-0.261	-0.008
8.5	0.149	5.224	0.0062	-0.0063	0.125	4.971	-0.253	-0.024
9.0	0.114	5.075	0.0037	-0.0048	0.085	4.846	-0.229	-0.029
9.5	0.015	4.961	-0.0057	0.0057	-0.114	4.761	-0.200	-0.129
10.0	0.025	4.946	-0.0066	0.0067	-0.133	4.875	-0.071	-0.158
10.5	0.020	4.921	-0.0013	0.0012	-0.025	5.008	0.087	-0.045
11.0	-0.007	4.901	-0.0003	0.0001	-0.004	5.033	0.132	0.003
11.5	-0.005	4.908	0.0001	-0.0002	0.003	5.037	0.129	0.008
12.0	0.028	4.913	0.0032	-0.0028	0.060	5.034	0.121	0.032
12.5	0.075	4.885	0.0035	-0.0034	0.069	4.974	0.089	-0.006
13.0	0.034	4.810	0.0016	-0.0015	0.031	4.905	0.085	-0.003
13.5	-0.005	4.756	-0.0032	0.0032	-0.004	4.874	0.098	-0.001
14.0	-0.049	4.779	-0.0033	0.0023	-0.066	4.878	0.099	-0.017
14.5	-0.078	4.828	-0.0033	0.0032	-0.065	4.944	0.116	0.013
15.0	-0.023	4.906	0.0016	-0.0023	0.039	5.009	0.103	0.062
15.5	0.170	4.829	0.0090	-0.0092	0.182	4.970	0.041	0.012
16.0	0.257	4.759	0.0148	-0.0148	0.296	4.788	0.029	0.039
16.5	0.450	4.502	0.0252	-0.0251	0.503	4.492	-0.010	0.053
17.0	0.618	4.052	0.0324	-0.0323	0.647	3.989	-0.063	0.029
17.5	0.698	3.434	0.0353	-0.0354	0.707	3.342	-0.092	0.009
18.0	0.621	2.736	0.0270	-0.0272	0.542	2.635	-0.101	-0.079
18.5	0.347	2.115	0.0169	-0.0170	0.339	2.093	-0.022	-0.008
19.0	0.312	1.768	0.0161	-0.0161	0.322	1.754	-0.014	0.010
19.5	0.309	1.456	0.0153	-0.0153	0.306	1.432	-0.024	-0.003
20.0	0.275	1.147	0.0136	-0.0136	0.272	1.126	-0.021	-0.003
20.5	0.289	0.872	0.0149	-0.0151	0.300	0.854	-0.018	0.011
21.0	0.282	0.583	0.0109	-0.0121	0.230	0.554	-0.029	-0.052
21.5	0.117	0.301	0.0054	-0.0054	0.108	0.324	0.023	-0.009
22.0	0.095	0.184	0.0052	-0.0052	0.104	0.216	0.032	0.009
22.5	0.047	0.089	0.0015	-0.0016	0.031	0.112	0.023	-0.016
23.0	-0.013	0.042	-0.0006	0.0005	-0.011	0.031	0.039	0.002
23.5	0.014	0.055	0.0016	-0.0016	0.032	0.092	0.037	0.018
24.0	0.041	0.041	0.0031	-0.0029	0.050	0.060	0.019	0.019



CALCULATION SHEET FOR INCLINOMETER

Z-2 : B axis      DATE:      JUNE. 19, 1990

DEPTH	B(I) Sep. 16, 1989	T/B(I) 1989	B(0) June. 19, 1990	B(180)	B(n)	T/B(n)	T/B(n) T/B(1)	B(n) -B(I)
0.5	0.141	7.289	0.0080	-0.0079	0.159	7.131	-0.158	0.018
1.0	0.160	7.148	0.0092	-0.0092	0.184	6.972	-0.176	0.024
1.5	0.175	6.988	0.0111	-0.0108	0.219	6.788	-0.200	0.044
2.0	0.178	6.813	0.0124	-0.0120	0.244	6.569	-0.244	0.066
2.5	0.160	6.635	0.0079	-0.0076	0.155	6.325	-0.310	-0.005
3.0	0.115	6.475	0.0021	-0.0026	0.047	6.170	-0.305	-0.068
3.5	-0.017	6.360	-0.0033	0.0035	-0.068	6.123	-0.237	-0.051
4.0	-0.047	6.377	-0.0033	0.0036	-0.069	6.191	-0.186	-0.022
4.5	-0.037	6.424	-0.0013	0.0016	-0.029	6.260	-0.164	0.038
5.0	0.009	6.461	0.0025	-0.0022	0.047	6.289	-0.172	0.038
5.5	0.087	6.452	0.0059	-0.0057	0.119	6.242	-0.210	0.029
6.0	0.061	6.365	0.0038	-0.0034	0.072	6.126	-0.239	0.011
6.5	0.206	6.304	0.0096	-0.0094	0.190	6.054	-0.250	-0.016
7.0	0.309	6.098	0.0158	-0.0155	0.313	5.864	-0.234	0.004
7.5	0.322	5.789	0.0175	-0.0170	0.345	5.551	-0.238	0.023
8.0	0.243	5.467	0.0120	-0.0117	0.237	5.206	-0.261	-0.006
8.5	0.149	5.224	0.0061	-0.0060	0.121	4.969	-0.255	-0.023
9.0	0.114	5.075	0.0037	-0.0046	0.083	4.848	-0.227	-0.031
9.5	0.015	4.961	-0.0057	0.0058	-0.115	4.765	-0.196	-0.130
10.0	0.025	4.946	-0.0067	0.0067	-0.134	4.880	-0.066	-0.159
10.5	0.020	4.921	-0.0013	0.0011	-0.024	5.014	0.093	-0.044
11.0	-0.007	4.901	-0.0002	0.0002	-0.004	5.038	0.137	0.003
11.5	-0.005	4.308	0.0001	-0.0001	0.002	5.042	0.134	0.007
12.0	0.028	4.813	0.0034	-0.0027	0.061	5.040	0.127	0.033
12.5	0.075	4.885	0.0035	-0.0033	0.068	4.979	0.094	-0.007
13.0	0.034	4.810	0.0017	-0.0016	0.033	4.911	0.101	-0.001
13.5	-0.003	4.776	-0.0002	0.0004	-0.006	4.878	0.102	-0.003
14.0	-0.049	4.779	-0.0033	0.0032	-0.065	4.884	0.105	-0.016
14.5	-0.078	4.828	-0.0033	0.0035	-0.068	4.949	0.121	0.010
15.0	-0.028	4.906	0.0017	-0.0021	0.038	5.017	0.111	0.061
15.5	0.170	4.829	0.0093	-0.0091	0.184	4.979	0.050	0.014
16.0	0.257	4.759	0.0147	-0.0143	0.290	4.795	0.036	0.033
16.5	0.450	4.502	0.0253	-0.0254	0.507	4.505	0.003	0.057
17.0	0.618	4.052	0.0324	-0.0322	0.646	3.998	-0.054	0.028
17.5	0.698	3.434	0.0354	-0.0355	0.709	3.352	-0.082	0.011
18.0	0.621	2.736	0.0273	-0.0269	0.542	2.643	-0.093	-0.079
18.5	0.347	2.115	0.0170	-0.0168	0.338	2.101	-0.014	-0.009
19.0	0.312	1.768	0.0162	-0.0163	0.325	1.763	-0.005	0.013
19.5	0.309	1.456	0.0153	-0.0150	0.303	1.428	-0.018	-0.006
20.0	0.275	1.147	0.0137	-0.0137	0.274	1.135	-0.012	-0.001
20.5	0.289	0.872	0.0152	-0.0149	0.301	0.861	-0.011	0.012
21.0	0.282	0.583	0.0114	-0.0117	0.231	0.560	-0.023	-0.051
21.5	0.117	0.301	0.0055	-0.0057	0.112	0.329	0.028	-0.005
22.0	0.095	0.184	0.0052	-0.0049	0.101	0.217	0.033	0.006
22.5	0.047	0.089	0.0017	-0.0016	0.033	0.116	0.027	-0.014
23.0	-0.013	0.042	-0.0004	0.0008	-0.012	0.083	0.041	0.001
23.5	0.014	0.055	0.0019	-0.0016	0.035	0.095	0.040	0.021
24.0	0.041	0.041	0.0033	-0.0027	0.060	0.060	0.019	0.019



INITIAL READING OF INCLINOMETERS

HOLE No. Z-3

DATE : Sep. 26, 1989

DEPTH ( m )	A(0)	A(180)	A(I) ( cm )	T/A(I)	B(0)	B(180)	B(I) ( cm )	T/B(I)
0.5	-0.0012	0.0014	-0.026	-13.832	-0.0036	0.0083	-0.119	-15.773
1.0	-0.0013	0.0013	-0.026	-13.806	-0.0063	0.0110	-0.173	-15.654
1.5	-0.0005	0.0005	-0.010	-13.780	-0.0050	0.0098	-0.148	-15.481
2.0	-0.0008	0.0006	-0.014	-13.770	-0.0041	0.0090	-0.131	-15.353
2.5	-0.0018	0.0018	-0.036	-13.756	-0.0040	0.0087	-0.127	-15.202
3.0	-0.0032	0.0031	-0.063	-13.720	-0.0056	0.0107	-0.163	-15.075
3.5	-0.0020	0.0020	-0.040	-13.657	-0.0110	0.0157	-0.267	-14.912
4.0	-0.0002	0.0003	-0.005	-13.617	-0.0164	0.0213	-0.377	-14.645
4.5	-0.0007	0.0005	-0.012	-13.612	-0.0170	0.0217	-0.387	-14.268
5.0	-0.0020	0.0021	-0.041	-13.600	-0.0151	0.0189	-0.350	-13.881
5.5	-0.0017	0.0016	-0.033	-13.559	-0.0142	0.0192	-0.334	-13.531
6.0	-0.0025	0.0024	-0.049	-13.526	-0.0128	0.0175	-0.303	-13.197
6.5	-0.0054	0.0053	-0.107	-13.477	-0.0140	0.0180	-0.320	-12.894
7.0	-0.0080	0.0079	-0.159	-13.370	-0.0190	0.0237	-0.427	-12.574
7.5	-0.0094	0.0095	-0.189	-13.211	-0.0184	0.0232	-0.416	-12.147
8.0	-0.0134	0.0133	-0.267	-13.022	-0.0160	0.0205	-0.365	-11.731
8.5	-0.0123	0.0124	-0.247	-12.755	-0.0150	0.0197	-0.347	-11.366
9.0	-0.0062	0.0062	-0.124	-12.508	-0.0135	0.0182	-0.317	-11.019
9.5	-0.0133	0.0136	-0.269	-12.384	-0.0066	0.0112	-0.178	-10.702
10.0	-0.0194	0.0195	-0.389	-12.115	-0.0042	0.0087	-0.129	-10.524
10.5	-0.0195	0.0194	-0.389	-11.726	-0.0047	0.0092	-0.139	-10.395
11.0	-0.0183	0.0185	-0.368	-11.337	-0.0046	0.0093	-0.139	-10.256
11.5	-0.0174	0.0173	-0.347	-10.969	-0.0063	0.0108	-0.171	-10.117
12.0	-0.0168	0.0169	-0.337	-10.622	-0.0135	0.0189	-0.315	-9.946
12.5	-0.0172	0.0172	-0.344	-10.285	-0.0154	0.0200	-0.354	-9.631
13.0	-0.0203	0.0203	-0.406	-9.941	-0.0171	0.0217	-0.388	-9.277
13.5	-0.0198	0.0201	-0.399	-9.535	-0.0162	0.0210	-0.372	-8.889
14.0	-0.0205	0.0203	-0.408	-9.136	-0.0152	0.0198	-0.350	-8.517
14.5	-0.0220	0.0222	-0.442	-8.728	-0.0142	0.0191	-0.333	-8.167
15.0	-0.0232	0.0231	-0.463	-8.286	-0.0153	0.0201	-0.354	-7.834
15.5	-0.0254	0.0254	-0.508	-7.823	-0.0124	0.0161	-0.285	-7.480
16.0	-0.0246	0.0247	-0.493	-7.315	-0.0065	0.0113	-0.178	-7.195
16.5	-0.0246	0.0246	-0.492	-6.822	-0.0070	0.0117	-0.187	-7.017
17.0	-0.0249	0.0251	-0.500	-6.330	-0.0075	0.0123	-0.198	-6.830
17.5	-0.0252	0.0251	-0.503	-5.830	-0.0081	0.0129	-0.210	-6.632
18.0	-0.0248	0.0250	-0.498	-5.327	-0.0082	0.0131	-0.213	-6.422
18.5	-0.0242	0.0241	-0.483	-4.829	-0.0177	0.0212	-0.389	-6.209
19.0	-0.0239	0.0241	-0.480	-4.346	-0.0248	0.0295	-0.543	-5.820
19.5	-0.0226	0.0227	-0.453	-3.866	-0.0243	0.0293	-0.536	-5.277
20.0	-0.0176	0.0178	-0.354	-3.413	-0.0219	0.0266	-0.485	-4.741
20.5	-0.0193	0.0195	-0.388	-3.059	-0.0230	0.0279	-0.509	-4.256
21.0	-0.0220	0.0220	-0.440	-2.671	-0.0220	0.0268	-0.488	-3.747
21.5	-0.0207	0.0208	-0.415	-2.231	-0.0217	0.0266	-0.483	-3.259
22.0	-0.0177	0.0178	-0.355	-1.816	-0.0254	0.0304	-0.558	-2.776
22.5	-0.0174	0.0175	-0.349	-1.461	-0.0259	0.0306	-0.565	-2.218
23.0	-0.0169	0.0171	-0.340	-1.112	-0.0268	0.0319	-0.587	-1.653
23.5	-0.0179	0.0180	-0.359	-0.772	-0.0260	0.0309	-0.569	-1.066
24.0	-0.0206	0.0207	-0.413	-0.413	-0.0224	0.0273	-0.497	-0.497



CALCULATION SHEET FOR INCLINOMETER

Z-3 : B axis      DATE:      Oct, 26, 1989

DEPTH	B(I) Sep. 26, 1989	T/B(I) 1989	B(0) Oct. 26, 1989	B(180) 1989	B(n)	T/B(n)	T/B(n) -T/B(I)	E/(n) -B(I)
0.5	-0.119	-15.773	-0.0076	0.0132	-0.208	-15.546	0.227	-0.089
1.0	-0.173	-15.654	-0.0067	0.0125	-0.192	-15.338	0.316	-0.019
1.5	-0.148	-15.481	-0.0059	0.0104	0.000	-15.146	0.335	0.148
2.0	-0.151	-15.333	-0.0036	0.0074	-0.110	-15.146	0.187	0.021
2.5	-0.127	-15.202	-0.0033	0.0090	-0.123	-15.036	0.166	0.004
3.0	-0.163	-15.075	-0.0050	0.0106	-0.156	-14.913	0.162	0.007
3.5	-0.267	-14.912	-0.0097	0.0159	-0.256	-14.757	0.155	0.011
4.0	-0.377	-14.645	-0.0159	0.0215	-0.374	-14.501	0.144	0.003
4.5	-0.387	-14.268	-0.0162	0.0219	-0.381	-14.127	0.141	0.006
5.0	-0.350	-13.881	-0.0145	0.0200	-0.345	-13.746	0.135	0.005
5.5	-0.334	-13.531	-0.0136	0.0195	-0.331	-13.401	0.130	0.003
6.0	-0.303	-13.197	-0.0123	0.0178	-0.301	-13.070	0.127	0.002
6.5	-0.320	-12.894	-0.0135	0.0180	-0.315	-12.769	0.125	0.005
7.0	-0.427	-12.574	-0.0185	0.0242	-0.427	-12.454	0.120	0.000
7.5	-0.416	-12.147	-0.0183	0.0238	-0.421	-12.027	0.120	-0.005
8.0	-0.365	-11.731	-0.0150	0.0210	-0.360	-11.606	0.125	0.005
8.5	-0.347	-11.366	-0.0136	0.0194	-0.330	-11.246	0.120	0.017
9.0	-0.317	-11.019	-0.0132	0.0189	-0.321	-10.916	0.103	-0.004
9.5	-0.178	-10.702	-0.0064	0.0123	-0.187	-10.595	0.107	-0.009
10.0	-0.129	-10.524	-0.0032	0.0087	-0.119	-10.408	0.116	0.010
10.5	-0.139	-10.395	-0.0031	0.0089	-0.120	-10.289	0.106	0.019
11.0	-0.139	-10.256	-0.0035	0.0071	-0.106	-10.169	0.087	0.033
11.5	-0.171	-10.117	-0.0049	0.0111	-0.160	-10.063	0.054	0.011
12.0	-0.315	-9.946	-0.0123	0.0185	-0.308	-9.903	0.043	0.007
12.5	-0.354	-9.631	-0.0157	0.0211	-0.368	-9.595	0.036	-0.014
13.0	-0.388	-9.277	-0.0169	0.0229	-0.398	-9.227	0.050	-0.010
13.5	-0.372	-8.889	-0.0155	0.0215	-0.370	-8.829	0.060	0.002
14.0	-0.350	-8.517	-0.0139	0.0197	-0.336	-8.459	0.058	0.014
14.5	-0.333	-8.167	-0.0129	0.0189	-0.318	-8.123	0.044	0.015
15.0	-0.354	-7.834	-0.0154	0.0212	-0.366	-7.805	0.029	-0.012
15.5	-0.285	-7.480	-0.0134	0.0184	-0.318	-7.439	0.041	-0.033
16.0	-0.178	-7.195	-0.0053	0.0110	-0.163	-7.121	0.074	0.015
16.5	-0.187	-7.017	-0.0067	0.0128	-0.195	-6.958	0.059	-0.008
17.0	-0.198	-6.830	-0.0069	0.0128	-0.197	-6.763	0.067	0.001
17.5	-0.210	-6.632	-0.0064	0.0124	-0.188	-6.566	0.066	0.022
18.0	-0.213	-6.422	-0.0076	0.0134	-0.210	-6.378	0.044	0.003
18.5	-0.389	-6.209	-0.0163	0.0214	-0.377	-6.168	0.041	0.012
19.0	-0.543	-5.820	-0.0233	0.0294	-0.527	-5.791	0.029	0.016
19.5	-0.536	-5.277	-0.0234	0.0297	-0.531	-5.264	0.013	0.005
20.0	-0.485	-4.741	-0.0216	0.0278	-0.494	-4.733	0.008	-0.009
20.5	-0.509	-4.256	-0.0227	0.0268	-0.515	-4.239	0.017	-0.006
21.0	-0.488	-3.747	-0.0213	0.0272	-0.485	-3.724	0.023	0.003
21.5	-0.483	-3.259	-0.0204	0.0267	-0.471	-3.239	0.020	0.012
22.0	-0.558	-2.776	-0.0241	0.0303	-0.544	-2.768	0.008	0.014
22.5	-0.565	-2.218	-0.0251	0.0310	-0.561	-2.224	-0.006	0.004
23.0	-0.587	-1.653	-0.0267	0.0328	-0.595	-1.663	-0.010	-0.008
23.5	-0.569	-1.066	-0.0255	0.0318	-0.573	-1.068	-0.002	-0.004
24.0	-0.497	-0.497	-0.0216	0.0279	-0.495	-0.495	0.002	0.002

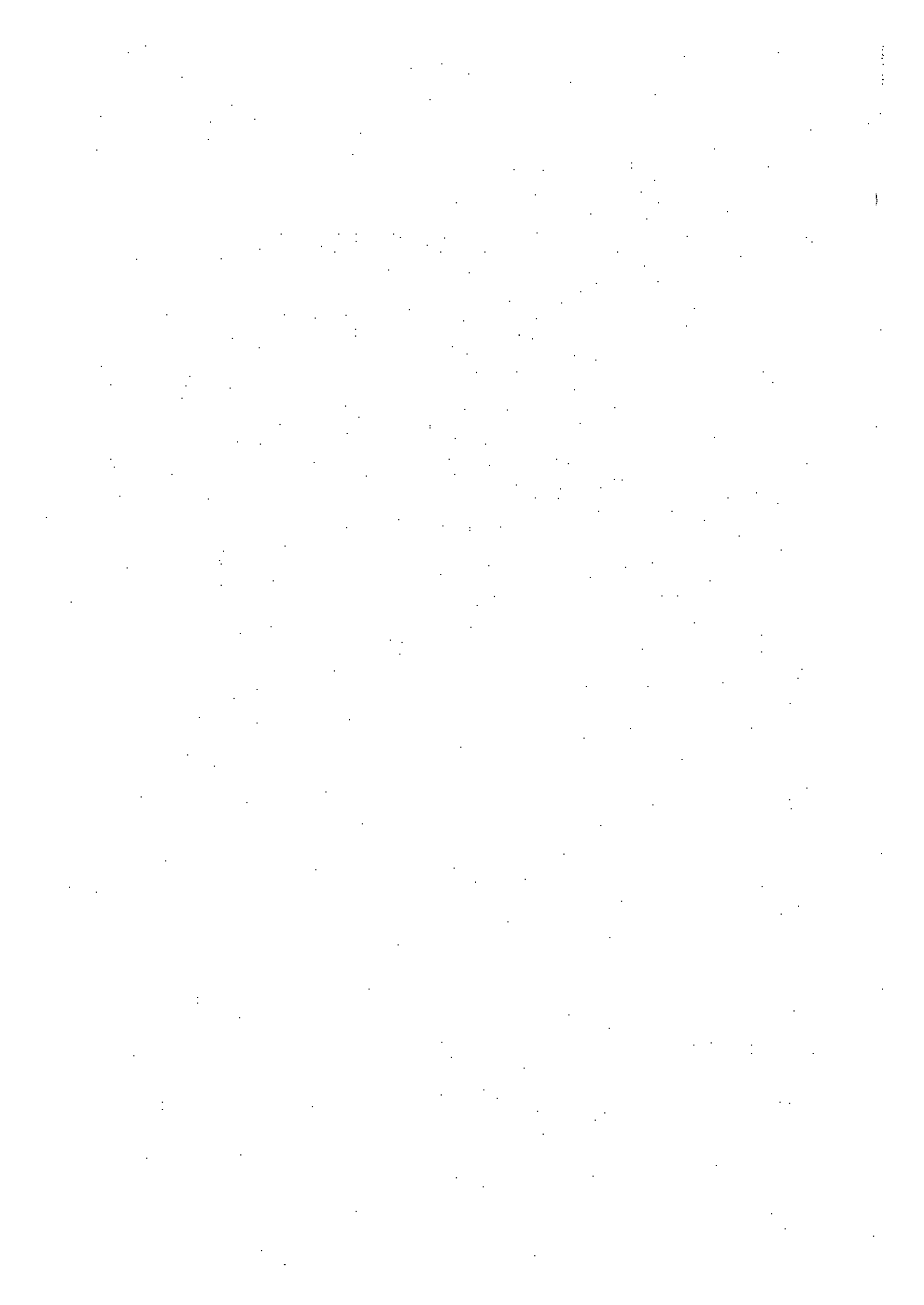




CALCULATION SHEET FOR INCLINOMETER

Z-3 : B axis      DATE: 21 Nov, 1989

DEPTH	B(I) Sep. 26, 1989	T/B(I)	B(0) Nov. 21, 1989	B(180)	B(n)	T/B(n)	T/B(n) -T/B(I)	B(n) -B(I)
0.5	-0.119	-15.773	-0.0090	0.0136	-0.226	-15.720	0.053	-0.107
1.0	-0.173	-15.654	-0.0070	0.0118	-0.188	-15.494	0.160	-0.015
1.5	-0.148	-15.481	-0.0050	0.0102	0.000	-15.306	0.175	0.148
2.0	-0.131	-15.333	-0.0041	0.0090	-0.131	-15.306	0.027	0.000
2.5	-0.127	-15.202	-0.0042	0.0090	-0.132	-15.175	0.027	-0.005
3.0	-0.163	-15.075	-0.0056	0.0104	-0.160	-15.043	0.032	0.003
3.5	-0.267	-14.912	-0.0133	0.0182	-0.315	-14.883	0.029	-0.048
4.0	-0.377	-14.645	-0.0166	0.0216	-0.382	-14.568	0.077	-0.005
4.5	-0.387	-14.268	-0.0161	0.0211	-0.372	-14.186	0.082	0.015
5.0	-0.350	-13.881	-0.0146	0.0195	-0.341	-13.814	0.067	0.009
5.5	-0.334	-13.531	-0.0138	0.0189	-0.327	-13.473	0.058	0.007
6.0	-0.303	-13.197	-0.0119	0.0164	-0.283	-13.146	0.051	0.020
6.5	-0.320	-12.894	-0.0159	0.0200	-0.359	-12.863	0.031	-0.039
7.0	-0.427	-12.574	-0.0189	0.0238	-0.427	-12.504	0.070	0.000
7.5	-0.416	-12.147	-0.0181	0.0231	-0.412	-12.077	0.070	0.004
8.0	-0.365	-11.731	-0.0146	0.0196	-0.342	-11.665	0.066	0.023
8.5	-0.347	-11.366	-0.0142	0.0191	-0.333	-11.323	0.043	0.014
9.0	-0.317	-11.019	-0.0129	0.0180	-0.309	-10.990	0.029	0.008
9.5	-0.178	-10.702	-0.0060	0.0096	-0.156	-10.681	0.021	0.022
10.0	-0.129	-10.524	-0.0034	0.0082	-0.116	-10.525	-0.001	0.013
10.5	-0.139	-10.395	-0.0035	0.0084	-0.119	-10.409	-0.014	0.020
11.0	-0.139	-10.256	-0.0040	0.0089	-0.123	-10.290	-0.034	0.010
11.5	-0.171	-10.117	-0.0070	0.0118	-0.188	-10.161	-0.044	-0.017
12.0	-0.315	-9.946	-0.0154	0.0200	-0.354	-9.973	-0.027	-0.039
12.5	-0.354	-9.631	-0.0165	0.0212	-0.377	-9.619	0.012	-0.023
13.0	-0.388	-9.277	-0.0168	0.0219	-0.387	-9.242	0.035	0.001
13.5	-0.372	-8.889	-0.0157	0.0207	-0.364	-8.855	0.034	0.008
14.0	-0.350	-8.517	-0.0137	0.0187	-0.324	-8.491	0.026	0.026
14.5	-0.333	-8.167	-0.0139	0.0188	-0.327	-8.167	0.000	0.006
15.0	-0.354	-7.834	-0.0163	0.0216	-0.379	-7.840	-0.006	-0.025
15.5	-0.285	-7.480	-0.0102	0.0157	-0.259	-7.461	0.019	0.026
16.0	-0.178	-7.195	-0.0055	0.0105	-0.160	-7.202	-0.007	0.018
16.5	-0.187	-7.017	-0.0077	0.0130	-0.207	-7.042	-0.025	-0.020
17.0	-0.198	-6.830	-0.0067	0.0120	-0.187	-6.855	-0.005	0.011
17.5	-0.210	-6.632	-0.0070	0.0123	-0.193	-6.648	-0.016	0.017
18.0	-0.213	-6.422	-0.0086	0.0134	-0.220	-6.455	-0.033	-0.007
18.5	-0.389	-6.209	-0.0205	0.0250	-0.455	-6.235	-0.026	-0.066
19.0	-0.543	-5.820	-0.0240	0.0292	-0.532	-5.780	0.040	0.011
19.5	-0.536	-5.277	-0.0231	0.0283	-0.514	-5.248	0.029	0.022
20.0	-0.485	-4.741	-0.0226	0.0277	-0.503	-4.734	0.007	-0.018
20.5	-0.509	-4.256	-0.0232	0.0284	-0.516	-4.231	0.025	-0.007
21.0	-0.488	-3.747	-0.021	0.0265	-0.475	-3.715	0.032	0.013
21.5	-0.483	-3.259	-0.0220	0.0270	-0.490	-3.240	0.019	-0.007
22.0	-0.558	-2.776	-0.0245	0.0297	-0.542	-2.750	0.026	0.016
22.5	-0.565	-2.218	-0.0267	0.0318	-0.585	-2.208	0.010	-0.020
23.0	-0.587	-1.653	-0.0267	0.0319	-0.586	-1.623	0.030	0.001
23.5	-0.569	-1.066	-0.0255	0.0309	-0.564	-1.037	0.029	0.005
24.0	-0.497	-0.497	-0.0210	0.0262	-0.473	-0.473	0.024	0.024



CALCULATION SHEET FOR INCLINOMETER

Z-3 : B axis      DATE : Dec. 25, 1989

DEPTH	B(I) Sep. 26, 1989	T/B(I)	B(0) Dec. 25, 1989	B(180)	B(n)	T/B(n)	T/B(n) -T/B(I)	B(n) -B(I)
0.5	-0.119	-15.773	0	0.0000	0.000	-15.302	0.471	0.119
1.0	-0.173	-15.654	-0.0088	0.0014	-0.102	-15.302	0.352	0.071
1.5	-0.148	-15.481	-0.0068	0.0097	-0.165	-15.200	0.281	-0.017
2.0	-0.131	-15.333	-0.0055	0.0082	-0.137	-15.035	0.298	-0.006
2.5	-0.127	-15.202	-0.0050	0.0077	-0.127	-14.898	0.304	0.000
3.0	-0.163	-15.075	-0.0064	0.0090	-0.154	-14.771	0.304	0.009
3.5	-0.267	-14.912	-0.0115	0.0141	-0.256	-14.617	0.295	0.011
4.0	-0.377	-14.645	-0.0173	0.0201	-0.374	-14.361	0.284	0.003
4.5	-0.387	-14.268	-0.0180	0.0206	-0.386	-13.987	0.281	0.001
5.0	-0.350	-13.881	-0.0162	0.0187	-0.349	-13.601	0.280	0.001
5.5	-0.334	-13.531	-0.0152	0.0178	-0.330	-13.252	0.279	0.004
6.0	-0.303	-13.197	-0.0140	0.0162	-0.302	-12.922	0.275	0.001
6.5	-0.320	-12.894	-0.0147	0.0158	-0.305	-12.620	0.274	0.015
7.0	-0.427	-12.574	-0.0201	0.0229	-0.430	-12.315	0.259	-0.003
7.5	-0.416	-12.147	-0.0198	0.0224	-0.422	-11.885	0.262	-0.006
8.0	-0.365	-11.731	-0.0167	0.0194	-0.361	-11.463	0.268	0.004
8.5	-0.347	-11.366	-0.0153	0.0177	-0.330	-11.102	0.264	0.017
9.0	-0.317	-11.019	-0.0149	0.0174	-0.323	-10.772	0.247	-0.006
9.5	-0.178	-10.702	-0.0083	0.0108	-0.192	-10.449	0.253	-0.014
10.0	-0.129	-10.524	-0.0046	0.0071	-0.117	-10.257	0.267	0.012
10.5	-0.139	-10.395	-0.0046	0.0073	-0.119	-10.140	0.255	0.020
11.0	-0.139	-10.256	-0.0049	0.0073	-0.122	-10.021	0.235	0.017
11.5	-0.171	-10.117	-0.0066	0.0088	-0.154	-9.899	0.218	0.017
12.0	-0.315	-9.946	-0.0146	0.0169	-0.315	-9.745	0.201	0.000
12.5	-0.354	-9.631	-0.0176	0.0200	-0.376	-9.430	0.201	-0.022
13.0	-0.388	-9.277	-0.0188	0.0215	-0.403	-9.054	0.223	-0.015
13.5	-0.372	-8.889	-0.0174	0.0199	-0.373	-8.651	0.238	-0.001
14.0	-0.350	-8.517	-0.0155	0.0180	-0.335	-8.278	0.239	0.015
14.5	-0.333	-8.167	-0.0145	0.0170	-0.315	-7.943	0.224	0.018
15.0	-0.354	-7.834	-0.0173	0.0198	-0.371	-7.628	0.206	-0.017
15.5	-0.285	-7.480	-0.0146	0.0167	-0.313	-7.257	0.223	-0.028
16.0	-0.178	-7.195	-0.0067	0.0091	-0.158	-6.944	0.251	0.020
16.5	-0.187	-7.017	-0.0088	0.0113	-0.201	-6.786	0.231	-0.014
17.0	-0.198	-6.830	-0.0086	0.0113	-0.199	-6.585	0.245	-0.001
17.5	-0.210	-6.632	-0.0077	0.0102	-0.179	-6.386	0.246	0.031
18.0	-0.213	-6.422	-0.0094	0.0120	-0.214	-6.207	0.215	-0.001
18.5	-0.389	-6.209	-0.0018	0.0199	-0.217	-5.993	0.216	0.172
19.0	-0.543	-5.820	-0.0247	0.0274	-0.521	-5.776	0.044	0.022
19.5	-0.536	-5.277	-0.0249	0.0275	-0.524	-5.255	0.022	0.012
20.0	-0.485	-4.741	-0.0237	0.0263	-0.500	-4.731	0.010	-0.015
20.5	-0.509	-4.256	-0.0247	0.0274	-0.521	-4.231	0.025	-0.012
21.0	-0.488	-3.747	-0.0229	0.0253	-0.482	-3.710	0.037	0.006
21.5	-0.483	-3.259	-0.0219	0.0246	-0.465	-3.228	0.031	0.018
22.0	-0.558	-2.776	-0.0252	0.0280	-0.532	-2.763	0.013	0.026
22.5	-0.565	-2.218	-0.0269	0.0297	-0.566	-2.231	-0.013	-0.001
23.0	-0.587	-1.653	-0.0286	0.0314	-0.600	-1.665	-0.012	-0.013
23.5	-0.569	-1.066	-0.0272	0.0299	-0.571	-1.065	0.001	-0.002
24.0	-0.497	-0.497	-0.0233	0.0261	-0.494	-0.494	0.003	0.003



CALCULATION SHEET FOR INCLINOMETER

Z-3: B axis      DATE: Jan. 22, 1990

DEPTH	E(I) Sep. 26, 1989	T/B(I)	B(0) Jan. 22, 1990	E(180)	B(n)	T/B(n)	T/B(n) -T/B(I)	B(n) -B(I)
0.5	-0.119	-15.773	-0.0095	0.0114	-0.209	-15.579	0.194	-0.090
1.0	-0.173	-15.654	-0.0088	0.0106	-0.194	-15.370	0.284	-0.021
1.5	-0.148	-15.481	-0.0073	0.0090	0.000	-15.176	0.305	0.148
2.0	-0.131	-15.333	-0.0059	0.0077	-0.136	-15.176	0.157	-0.005
2.5	-0.127	-15.202	-0.0055	0.0071	-0.126	-15.040	0.162	0.001
3.0	-0.163	-15.075	-0.0070	0.0088	-0.158	-14.914	0.161	0.005
3.5	-0.267	-14.912	-0.0125	0.0138	-0.263	-14.756	0.156	0.004
4.0	-0.377	-14.645	-0.0181	0.0197	-0.378	-14.493	0.152	-0.001
4.5	-0.387	-14.268	-0.0184	0.0199	-0.383	-14.115	0.153	0.004
5.0	-0.350	-13.881	-0.0165	0.0181	-0.346	-13.732	0.149	0.004
5.5	-0.334	-13.531	-0.0159	0.0175	-0.334	-13.386	0.145	0.000
6.0	-0.303	-13.197	-0.0145	0.0155	-0.300	-13.052	0.145	0.003
6.5	-0.320	-12.894	-0.0154	0.0164	-0.318	-12.752	0.142	0.002
7.0	-0.427	-12.574	-0.0207	0.0223	-0.430	-12.434	0.140	-0.003
7.5	-0.416	-12.147	-0.0201	0.0216	-0.417	-12.004	0.143	-0.001
8.0	-0.365	-11.731	-0.0171	0.0187	-0.358	-11.587	0.144	0.007
8.5	-0.347	-11.366	-0.0155	0.0173	-0.328	-11.229	0.137	0.019
9.0	-0.317	-11.019	-0.0152	0.0169	-0.321	-10.901	0.118	-0.004
9.5	-0.178	-10.702	-0.0081	0.0100	-0.181	-10.580	0.122	-0.003
10.0	-0.129	-10.524	-0.0052	0.0067	-0.119	-10.399	0.125	0.010
10.5	-0.139	-10.395	-0.0051	0.0067	-0.118	-10.280	0.115	0.021
11.0	-0.139	-10.256	-0.0051	0.0069	-0.120	-10.162	0.094	0.019
11.5	-0.171	-10.117	-0.0075	0.0088	-0.163	-10.042	0.075	0.008
12.0	-0.315	-9.946	-0.0155	0.0169	-0.324	-9.879	0.067	-0.009
12.5	-0.354	-9.631	-0.0183	0.0196	-0.379	-9.555	0.076	-0.025
13.0	-0.388	-9.277	-0.0189	0.0207	-0.396	-9.176	0.101	-0.008
13.5	-0.372	-8.889	-0.0174	0.0193	-0.367	-8.780	0.109	0.005
14.0	-0.350	-8.517	-0.0156	0.0175	-0.331	-8.413	0.104	0.019
14.5	-0.333	-8.167	-0.0147	0.0166	-0.313	-8.082	0.085	0.020
15.0	-0.354	-7.834	-0.0177	0.0195	-0.372	-7.769	0.065	-0.018
15.5	-0.285	-7.480	-0.0150	0.0166	-0.316	-7.397	0.083	-0.031
16.0	-0.178	-7.195	-0.0070	0.0086	-0.156	-7.081	0.114	0.022
16.5	-0.187	-7.017	-0.0091	0.0111	-0.202	-6.925	0.092	-0.015
17.0	-0.198	-6.830	-0.0086	0.0106	-0.192	-6.723	0.107	0.006
17.5	-0.210	-6.632	-0.0083	0.0101	-0.184	-6.531	0.101	0.026
18.0	-0.213	-6.422	-0.0102	0.0116	-0.218	-6.347	0.075	-0.005
18.5	-0.389	-6.209	-0.0182	0.0202	-0.384	-6.129	0.080	0.005
19.0	-0.543	-5.820	-0.0249	0.0270	-0.519	-5.745	0.075	0.024
19.5	-0.536	-5.277	-0.0248	0.0270	-0.518	-5.226	0.051	0.018
20.0	-0.485	-4.741	-0.0238	0.0259	-0.497	-4.708	0.033	-0.012
20.5	-0.509	-4.256	-0.0248	0.0269	-0.517	-4.211	0.045	-0.008
21.0	-0.488	-3.747	-0.0228	0.025	-0.478	-3.694	0.053	0.010
21.5	-0.483	-3.259	-0.0221	0.0244	-0.465	-3.216	0.043	0.018
22.0	-0.558	-2.776	-0.0252	0.0275	-0.527	-2.751	0.025	0.031
22.5	-0.565	-2.218	-0.0272	0.0294	-0.566	-2.224	-0.006	-0.001
23.0	-0.587	-1.653	-0.0285	0.0313	-0.598	-1.658	-0.005	-0.011
23.5	-0.569	-1.066	-0.0271	0.0297	-0.568	-1.060	0.006	0.001
24.0	-0.497	-0.497	-0.0232	0.026	-0.492	-0.492	0.005	0.005



Z-3 : B axis

Feb. 26, 1990

DEPTH	B(I) Sep. 26, 1989	T/E(I) Feb. 28, 1990	B(0)	B(180)	B(n)	T/B(n)	T/B(n) -T/B(I)	B(n) -B(I)
0.5	-0.119	-15.773	-0.0092	0.0101	-0.193	-16.540	-0.767	-0.074
1.0	-0.173	-15.654	-0.0090	0.0100	-0.190	-16.347	-0.693	-0.017
1.5	-0.148	-15.481	-0.0075	0.0088	0.000	-16.157	-0.676	0.148
2.0	-0.131	-15.333	-0.0063	0.0074	-0.137	-16.157	-0.824	-0.006
2.5	-0.127	-15.202	-0.0058	0.0068	-0.126	-16.020	-0.818	0.001
3.0	-0.163	-15.075	-0.0071	0.0085	-0.156	-15.894	-0.819	0.007
3.5	-0.267	-14.912	-0.0122	0.0135	-0.257	-15.738	-0.826	0.010
4.0	-0.377	-14.645	-0.0182	0.0195	-0.377	-15.481	-0.836	0.000
4.5	-0.387	-14.268	-0.0189	0.0195	-0.384	-15.104	-0.836	0.003
5.0	-0.350	-13.881	-0.0169	0.0181	-0.350	-14.720	-0.839	0.000
5.5	-0.334	-13.531	-0.0160	0.0173	-0.333	-14.370	-0.839	0.001
6.0	-0.303	-13.197	-0.0148	0.0155	-0.303	-14.037	-0.840	0.000
6.5	-0.320	-12.894	-0.0156	0.0152	-0.308	-13.734	-0.840	0.012
7.0	-0.427	-12.574	-0.0209	0.0218	-0.427	-13.426	-0.852	0.000
7.5	-0.416	-12.147	-0.0207	0.0216	-0.423	-12.999	-0.852	-0.007
8.0	-0.365	-11.731	-0.0177	0.0186	-0.363	-12.576	-0.845	0.002
8.5	-0.347	-11.366	-0.0160	0.0170	-0.330	-12.213	-0.847	0.017
9.0	-0.317	-11.019	-0.0156	0.0171	-0.327	-11.883	-0.864	-0.010
9.5	-0.178	-10.702	-0.0084	0.0990	-1.074	-11.556	-0.854	-0.896
10.0	-0.129	-10.524	-0.0053	0.0064	-0.117	-10.482	0.042	0.012
10.5	-0.139	-10.395	-0.0053	0.0063	-0.116	-10.365	0.030	0.023
11.0	-0.139	-10.256	-0.0055	0.0068	-0.123	-10.249	0.007	0.016
11.5	-0.171	-10.117	-0.0072	0.0084	-0.156	-10.126	-0.009	0.015
12.0	-0.315	-9.946	-0.0163	0.0171	-0.334	-9.970	-0.024	-0.019
12.5	-0.354	-9.631	-0.0201	0.0210	-0.411	-9.636	-0.005	-0.057
13.0	-0.388	-9.277	-0.0205	0.0213	-0.418	-9.225	0.052	-0.030
13.5	-0.372	-8.889	-0.0178	0.0191	-0.369	-8.807	0.082	0.003
14.0	-0.350	-8.517	-0.0161	0.0170	-0.331	-8.438	0.079	0.019
14.5	-0.333	-8.167	-0.0152	0.0163	-0.315	-8.107	0.060	0.018
15.0	-0.354	-7.834	-0.0179	0.0193	-0.372	-7.792	0.042	-0.018
15.5	-0.285	-7.480	-0.0160	0.0158	-0.318	-7.420	0.060	-0.033
16.0	-0.178	-7.195	-0.0074	0.0085	-0.159	-7.102	0.093	0.019
16.5	-0.187	-7.017	-0.0095	0.0106	-0.201	-6.943	0.074	-0.014
17.0	-0.198	-6.830	-0.0092	0.0104	-0.196	-6.742	0.088	0.002
17.5	-0.210	-6.632	-0.0086	0.0097	-0.183	-6.546	0.086	0.027
18.0	-0.213	-6.422	-0.0102	0.0113	-0.215	-6.363	0.059	-0.002
18.5	-0.389	-6.209	-0.0191	0.0190	-0.381	-6.148	0.061	0.008
19.0	-0.543	-5.820	-0.0254	0.0264	-0.518	-5.767	0.053	0.025
19.5	-0.536	-5.277	-0.0258	0.0269	-0.527	-5.249	0.028	0.009
20.0	-0.485	-4.741	-0.0244	0.0255	-0.499	-4.722	0.019	-0.014
20.5	-0.509	-4.256	-0.0254	0.0265	-0.519	-4.223	0.033	-0.010
21.0	-0.488	-3.747	-0.0234	0.0246	-0.480	-3.704	0.043	0.008
21.5	-0.483	-3.259	-0.0226	0.0238	-0.464	-3.224	0.035	0.019
22.0	-0.558	-2.776	-0.0256	0.0272	-0.528	-2.760	0.016	0.030
22.5	-0.565	-2.218	-0.0275	0.0290	-0.565	-2.232	-0.014	0.000
23.0	-0.587	-1.653	-0.0292	0.0308	-0.600	-1.667	-0.014	-0.013
23.5	-0.569	-1.066	-0.0280	0.0294	-0.574	-1.067	-0.001	-0.005
24.0	-0.497	-0.497	-0.0239	0.0254	-0.493	-0.493	0.004	0.004





CALCULATION SHEET FOR INCLINOMETER

Z-3 : B axis      DATE: MCH.17, 1990

DEPTH	B(I) Sep. 26, 1989	T/B(I)	B(0) Mch. 17, 1990	B(180)	B(n)	T/B(n)	T/B(n) -T/B(I)	B(n) -B(I)
0.5	-0.119	-15.773	-0.0075	0.0079	-0.154	-16.343	-0.570	-0.035
1.0	-0.173	-15.654	-0.0087	0.0093	-0.180	-16.189	-0.535	-0.007
1.5	-0.148	-15.481	-0.0077	0.0083	-0.160	-16.009	-0.528	-0.012
2.0	-0.131	-15.333	-0.0065	0.0071	-0.136	-15.849	-0.516	-0.005
2.5	-0.127	-15.202	-0.0057	0.0064	-0.121	-15.713	-0.511	0.006
3.0	-0.163	-15.075	-0.0072	0.0079	-0.151	-15.592	-0.517	0.012
3.5	-0.267	-14.912	-0.0123	0.0132	-0.255	-15.441	-0.529	0.012
4.0	-0.377	-14.645	-0.0182	0.0190	-0.372	-15.186	-0.541	0.005
4.5	-0.387	-14.268	-0.0183	0.0192	-0.380	-14.814	-0.546	0.007
5.0	-0.350	-13.881	-0.0170	0.0175	-0.345	-14.434	-0.553	0.005
5.5	-0.334	-13.531	-0.0163	0.0167	-0.330	-14.089	-0.558	0.004
6.0	-0.303	-13.197	-0.0149	0.0152	-0.301	-13.759	-0.562	0.002
6.5	-0.320	-12.894	-0.0159	0.0155	-0.314	-13.458	-0.564	0.006
7.0	-0.427	-12.574	-0.0208	0.0212	-0.420	-13.144	-0.570	0.007
7.5	-0.416	-12.147	-0.0208	0.0211	-0.419	-12.724	-0.577	-0.003
8.0	-0.365	-11.731	-0.0178	0.0179	-0.357	-12.305	-0.574	0.008
8.5	-0.347	-11.366	-0.0162	0.0165	-0.327	-11.948	-0.582	0.020
9.0	-0.317	-11.019	-0.0160	0.0166	-0.326	-11.621	-0.602	-0.009
9.5	-0.178	-10.702	-0.0089	0.0093	-0.182	-11.295	-0.593	-0.004
10.0	-0.129	-10.524	-0.0054	0.0148	-0.202	-11.113	-0.589	-0.073
10.5	-0.139	-10.395	-0.0053	0.0056	-0.109	-10.911	-0.516	0.030
11.0	-0.139	-10.256	-0.0057	0.0061	-0.118	-10.802	-0.546	0.021
11.5	-0.171	-10.117	-0.0074	0.0081	-0.155	-10.684	-0.567	0.016
12.0	-0.315	-9.946	-0.0174	0.0183	-0.354	-10.529	-0.583	-0.039
12.5	-0.354	-9.631	-0.0227	0.0233	-0.460	-10.175	-0.544	-0.106
13.0	-0.388	-9.277	-0.0225	0.0230	-0.455	-9.715	-0.438	-0.067
13.5	-0.372	-8.889	-0.0185	0.0188	-0.373	-9.260	-0.371	-0.001
14.0	-0.350	-8.517	-0.0161	0.0167	-0.328	-8.887	-0.370	0.022
14.5	-0.333	-8.167	-0.0155	0.0600	-0.755	-8.559	-0.392	-0.422
15.0	-0.354	-7.834	-0.0184	0.0193	-0.377	-7.804	0.030	-0.023
15.5	-0.285	-7.480	-0.0157	0.0158	-0.315	-7.427	0.053	-0.030
16.0	-0.178	-7.195	-0.0077	0.0081	-0.159	-7.112	0.083	0.020
16.5	-0.187	-7.017	-0.0097	0.0103	-0.200	-6.954	0.083	-0.013
17.0	-0.198	-6.830	-0.0097	0.0100	-0.197	-6.754	0.076	0.001
17.5	-0.210	-6.632	-0.0087	0.0093	-0.180	-6.557	0.075	0.030
18.0	-0.213	-6.422	-0.0104	0.0109	-0.213	-6.377	0.045	0.000
18.5	-0.389	-6.209	-0.0195	0.0187	-0.382	-6.164	0.045	0.007
19.0	-0.543	-5.820	-0.0255	0.0260	-0.515	-5.782	0.038	0.028
19.5	-0.536	-5.277	-0.0261	0.0266	-0.527	-5.267	0.010	0.009
20.0	-0.485	-4.741	-0.0246	0.0254	-0.500	-4.740	0.001	-0.015
20.5	-0.509	-4.256	-0.0257	0.0262	-0.519	-4.240	0.016	-0.010
21.0	-0.488	-3.747	-0.024	0.0246	-0.486	-3.721	0.026	0.002
21.5	-0.483	-3.259	-0.0228	0.0235	-0.463	-3.235	0.024	0.020
22.0	-0.558	-2.776	-0.0262	0.0269	-0.531	-2.772	0.004	0.027
22.5	-0.565	-2.218	-0.0280	0.0287	-0.567	-2.241	-0.023	-0.002
23.0	-0.587	-1.653	-0.0299	0.0304	-0.603	-1.674	-0.021	-0.016
23.5	-0.569	-1.066	-0.0285	0.0292	-0.577	-1.071	-0.005	-0.008
24.0	-0.497	-0.497	-0.0244	0.0250	-0.494	-0.494	0.003	0.003



CALCULATION SHEET FOR INCLINOMETER

Z-3 : B axis      DATE: APR.26, 1990

DEPTH	B(I) Sep. 26, 1989	T/B(I)	B(0) Apr.26, 1990	B(180)	E(n)	T/E(n)	T/E(n) -T/B(I)	B(n) -B(I)
0.5	-0.119	-15.773	-0.0077	0.0082	-0.159	-15.742	0.031	-0.040
1.0	-0.173	-15.654	-0.0090	0.0096	-0.186	-15.583	0.071	-0.013
1.5	-0.148	-15.481	-0.0080	0.0083	-0.163	-15.397	0.084	-0.015
2.0	-0.131	-15.333	-0.0065	0.0072	-0.137	-15.234	0.099	-0.006
2.5	-0.127	-15.202	-0.0063	0.0067	-0.130	-15.097	0.105	-0.003
3.0	-0.163	-15.075	-0.0079	0.0081	-0.160	-14.967	0.108	0.003
3.5	-0.267	-14.912	-0.0157	0.0157	-0.314	-14.807	0.105	-0.047
4.0	-0.377	-14.645	-0.0194	0.0195	-0.389	-14.493	0.152	-0.012
4.5	-0.387	-14.268	-0.0186	0.0187	-0.373	-14.104	0.164	0.014
5.0	-0.350	-13.881	-0.0171	0.0173	-0.344	-13.731	0.150	0.006
5.5	-0.334	-13.531	-0.0165	0.0163	-0.328	-13.387	0.144	0.006
6.0	-0.303	-13.197	-0.0148	0.0138	-0.286	-13.059	0.138	0.017
6.5	-0.320	-12.894	-0.0177	0.0173	-0.350	-12.773	0.121	-0.030
7.0	-0.427	-12.574	-0.0211	0.0213	-0.424	-12.423	0.151	0.003
7.5	-0.416	-12.147	-0.0206	0.0206	-0.412	-11.999	0.148	0.004
8.0	-0.365	-11.731	-0.0172	0.0174	-0.346	-11.587	0.144	0.019
8.5	-0.347	-11.366	0.0167	0.0169	-0.002	-11.241	0.125	0.345
9.0	-0.317	-11.019	-0.0159	0.0161	-0.320	-11.239	-0.220	-0.003
9.5	-0.178	-10.702	-0.0070	0.0073	-0.143	-10.919	-0.217	0.035
10.0	-0.129	-10.524	-0.0055	0.0057	-0.112	-10.776	-0.252	0.017
10.5	-0.139	-10.395	-0.0054	0.0058	-0.112	-10.664	-0.269	0.027
11.0	-0.139	-10.256	-0.0062	0.0066	-0.128	-10.552	-0.296	0.011
11.5	-0.171	-10.117	-0.0094	0.0097	-0.191	-10.424	-0.307	-0.020
12.0	-0.315	-9.946	-0.0203	0.0207	-0.410	-10.233	-0.287	-0.095
12.5	-0.354	-9.631	-0.0235	0.0234	-0.469	-9.823	-0.192	-0.115
13.0	-0.388	-9.277	-0.0215	0.0213	-0.428	-9.354	-0.077	-0.040
13.5	-0.372	-8.889	-0.0182	0.0184	-0.366	-8.926	-0.037	0.006
14.0	-0.350	-8.517	-0.0161	0.0162	-0.323	-8.560	-0.043	0.027
14.5	-0.333	-8.167	-0.0159	0.0166	-0.325	-8.237	-0.070	0.008
15.0	-0.354	-7.834	-0.0197	0.0195	-0.392	-7.912	-0.078	-0.038
15.5	-0.285	-7.480	-0.0135	0.0135	-0.270	-7.520	-0.040	0.015
16.0	-0.178	-7.185	-0.0080	0.0088	-0.168	-7.250	-0.055	0.010
16.5	-0.187	-7.017	-0.0107	0.0109	-0.216	-7.082	-0.065	-0.029
17.0	-0.198	-6.830	-0.0093	0.0095	-0.188	-6.866	-0.036	0.010
17.5	-0.210	-6.632	-0.0095	0.0095	-0.190	-6.678	-0.046	0.020
18.0	-0.213	-6.422	-0.0115	0.0112	-0.227	-6.488	-0.066	-0.014
18.5	-0.389	-6.209	-0.0226	0.0219	-0.445	-6.261	-0.052	-0.056
19.0	-0.543	-5.820	-0.0262	0.0263	-0.528	-5.816	0.004	0.015
19.5	-0.536	-5.277	-0.0258	0.0262	-0.520	-5.288	-0.011	0.016
20.0	-0.485	-4.741	-0.0256	0.0257	-0.513	-4.768	-0.027	-0.028
20.5	-0.509	-4.256	-0.0260	0.0262	-0.522	-4.255	0.001	-0.013
21.0	-0.488	-3.747	-0.0237	0.0236	-0.473	-3.733	0.014	0.015
21.5	-0.483	-3.259	-0.0241	0.0242	-0.483	-3.260	-0.001	0.000
22.0	-0.558	-2.776	-0.0267	0.0272	-0.539	-2.777	-0.001	0.019
22.5	-0.565	-2.218	-0.0297	0.0297	-0.594	-2.238	-0.020	-0.029
23.0	-0.587	-1.653	-0.0297	0.0301	-0.598	-1.644	0.009	-0.011
23.5	-0.569	-1.066	-0.0285	0.0288	-0.573	-1.046	0.020	-0.004
24.0	-0.487	-0.497	-0.0234	0.0239	-0.473	-0.473	0.024	0.024



CALCULATION SHEET FOR INCLINOMETER

Z-3: B axis      DATE:      MAY. 23, 1990

DEPTH	B(I) Sep. 26, 1989	T/B(I)	B(0) May. 23, 1990	E(180)	B(n)	T/B(n)	T/B(n) -T/B(I)	E(n) -B(I)
0.5	-0.119	-15.773	-0.0074	0.0083	-0.157	-15.825	-0.052	-0.038
1.0	-0.173	-15.654	-0.0093	0.0094	-0.187	-15.668	-0.014	-0.014
1.5	-0.148	-15.481	-0.0085	0.0085	0.000	-15.481	0.000	0.148
2.0	-0.131	-15.333	-0.0072	0.0074	-0.146	-15.481	-0.148	-0.015
2.5	-0.127	-15.202	-0.0064	0.0063	-0.127	-15.335	-0.133	0.000
3.0	-0.163	-15.075	-0.0079	0.0078	-0.157	-15.208	-0.133	0.006
3.5	-0.267	-14.912	-0.0131	0.0131	-0.262	-15.051	-0.139	0.005
4.0	-0.377	-14.645	-0.0191	0.0187	-0.378	-14.789	-0.144	-0.001
4.5	-0.387	-14.268	-0.0195	0.0191	-0.386	-14.411	-0.143	-0.001
5.0	-0.350	-13.881	-0.0175	0.0171	-0.346	-14.025	-0.144	0.004
5.5	-0.334	-13.531	-0.0170	0.0165	-0.335	-13.679	-0.148	-0.001
6.0	-0.303	-13.197	-0.0156	0.0149	-0.305	-13.344	-0.147	-0.002
6.5	-0.320	-12.894	-0.0160	0.0152	-0.312	-13.039	-0.145	0.008
7.0	-0.427	-12.574	-0.0215	0.0213	-0.428	-12.727	-0.153	-0.001
7.5	-0.416	-12.147	-0.0211	0.0210	-0.421	-12.299	-0.152	-0.005
8.0	-0.365	-11.731	-0.0186	0.0181	-0.367	-11.878	-0.147	-0.002
8.5	-0.347	-11.366	-0.0167	0.0165	-0.332	-11.511	-0.145	0.015
9.0	-0.317	-11.019	-0.0167	0.0163	-0.330	-11.179	-0.150	-0.013
9.5	-0.178	-10.702	-0.0093	0.0094	-0.187	-10.849	-0.147	-0.009
10.0	-0.129	-10.524	-0.0058	0.0055	-0.113	-10.662	-0.138	0.016
10.5	-0.139	-10.395	-0.0060	0.0055	-0.115	-10.549	-0.154	0.024
11.0	-0.139	-10.256	-0.0063	0.0059	-0.122	-10.434	-0.178	0.017
11.5	-0.171	-10.117	-0.0085	0.0081	-0.166	-10.312	-0.195	0.005
12.0	-0.315	-9.946	-0.0180	0.0179	-0.359	-10.146	-0.200	-0.044
12.5	-0.354	-9.631	-0.0234	0.0225	-0.459	-9.787	-0.156	-0.105
13.0	-0.388	-9.277	-0.0231	0.0224	-0.455	-9.328	-0.051	-0.067
13.5	-0.372	-8.839	-0.0189	0.0183	-0.372	-8.873	0.016	0.000
14.0	-0.350	-8.517	-0.0168	0.0162	-0.330	-8.501	0.016	0.020
14.5	-0.333	-8.167	-0.0153	0.0155	-0.313	-8.171	-0.004	0.020
15.0	-0.354	-7.834	-0.0194	0.0186	-0.380	-7.858	-0.024	-0.026
15.5	-0.285	-7.480	-0.0171	0.0158	-0.329	-7.478	0.002	-0.044
16.0	-0.178	-7.195	-0.0083	0.0076	-0.159	-7.149	0.046	0.019
16.5	-0.187	-7.017	-0.0106	0.0100	-0.206	-6.990	0.027	-0.019
17.0	-0.198	-6.830	-0.0100	0.0093	-0.193	-6.784	0.046	0.000
17.5	-0.210	-6.632	-0.0097	0.0086	-0.183	-6.586	0.046	0.027
18.0	-0.213	-6.422	-0.0113	0.0106	-0.219	-6.403	0.019	-0.006
18.5	-0.389	-6.209	-0.0204	0.0184	-0.388	-6.184	0.025	0.001
19.0	-0.543	-5.820	-0.0263	0.0258	-0.521	-5.795	0.024	0.022
19.5	-0.536	-5.277	-0.0263	0.0259	-0.522	-5.275	0.002	0.014
20.0	-0.485	-4.741	-0.0256	0.0250	-0.506	-4.753	-0.012	-0.021
20.5	-0.509	-4.256	-0.0264	0.0259	-0.523	-4.247	0.009	-0.014
21.0	-0.488	-3.747	-0.0243	0.0241	-0.484	-3.724	0.023	0.004
21.5	-0.483	-3.259	-0.0234	0.0230	-0.464	-3.240	0.019	0.019
22.0	-0.558	-2.776	-0.0263	0.0263	-0.526	-2.776	0.000	0.032
22.5	-0.565	-2.219	-0.0287	0.0284	-0.571	-2.250	-0.032	-0.006
23.0	-0.587	-1.653	-0.0304	0.0302	-0.606	-1.879	-0.026	-0.019
23.5	-0.569	-1.066	-0.0290	0.0287	-0.577	-1.073	-0.007	-0.008
24.0	-0.497	-0.497	-0.0248	0.0248	-0.496	-0.496	0.001	0.001



CALCULATION SHEET FOR INCLINOMETER

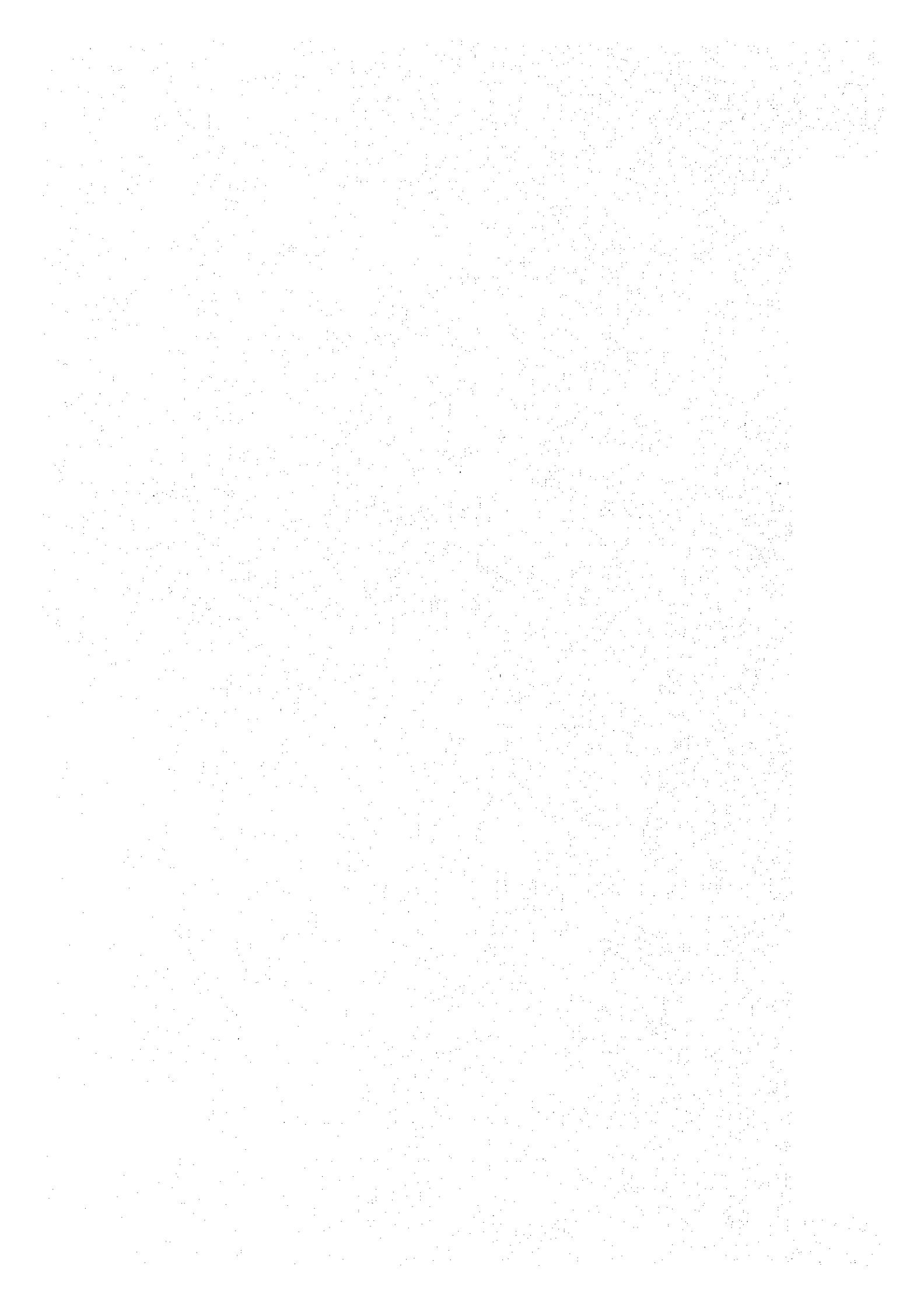
Z-3: B axis      DATE:      JUNE. 19, 1990

DEPTH	B(I)	T/B(I)	B(0)	B(180)	B(n)	T/B(n)	T/B(n)	B(n)
	Sep. 26, 1989		June. 19, 1990				-T/B(I)	-B(I)
0.5	-0.119	-15.773	-0.0081	0.0078	-0.159	-15.841	-0.068	-0.040
1.0	-0.173	-15.654	-0.0094	0.0088	-0.182	-15.682	-0.028	-0.009
1.5	-0.148	-15.481	-0.0085	0.0082	0.000	-15.500	-0.019	0.148
2.0	-0.131	-15.333	-0.0077	0.0072	-0.149	-15.500	-0.167	-0.018
2.5	-0.127	-15.202	-0.0070	0.0062	-0.132	-15.351	-0.149	-0.005
3.0	-0.163	-15.075	-0.0082	0.0076	-0.158	-15.219	-0.144	0.005
3.5	-0.267	-14.912	-0.0136	0.0127	-0.263	-15.061	-0.149	0.004
4.0	-0.377	-14.645	-0.0192	0.0185	-0.377	-14.798	-0.153	0.000
4.5	-0.387	-14.268	-0.0198	0.0190	-0.388	-14.421	-0.153	-0.001
5.0	-0.350	-13.881	-0.0178	0.0171	-0.349	-14.033	-0.152	0.001
5.5	-0.334	-13.531	-0.0172	0.0164	-0.336	-13.684	-0.153	-0.002
6.0	-0.303	-13.137	-0.0159	0.0150	-0.309	-13.348	-0.151	-0.006
6.5	-0.320	-12.894	-0.0162	0.0149	-0.311	-13.039	-0.145	0.009
7.0	-0.427	-12.574	-0.0218	0.0211	-0.429	-12.728	-0.154	-0.002
7.5	-0.416	-12.147	-0.0214	0.0207	-0.421	-12.299	-0.152	-0.005
8.0	-0.385	-11.731	-0.0187	0.0179	-0.366	-11.878	-0.147	-0.001
8.5	-0.347	-11.366	-0.0171	0.0163	-0.334	-11.512	-0.148	0.013
9.0	-0.317	-11.019	-0.0168	0.0162	-0.330	-11.178	-0.159	-0.013
9.5	-0.178	-10.702	-0.0093	0.0084	-0.177	-10.848	-0.146	0.001
10.0	-0.129	-10.524	-0.0061	0.0053	-0.114	-10.671	-0.147	0.015
10.5	-0.139	-10.395	-0.0061	0.0052	-0.113	-10.557	-0.162	0.026
11.0	-0.139	-10.256	-0.0064	0.0055	-0.120	-10.444	-0.188	0.019
11.5	-0.171	-10.117	-0.0084	0.0077	-0.161	-10.324	-0.207	0.010
12.0	-0.315	-9.946	-0.0183	0.0179	-0.362	-10.163	-0.217	-0.047
12.5	-0.354	-9.631	-0.0236	0.0227	-0.463	-9.801	-0.170	-0.109
13.0	-0.388	-9.277	-0.0234	0.0227	-0.461	-9.333	-0.081	-0.073
13.5	-0.372	-8.889	-0.0194	0.0184	-0.378	-8.877	0.012	-0.006
14.0	-0.350	-8.517	-0.0169	0.0161	-0.330	-8.499	0.018	0.020
14.5	-0.333	-8.167	-0.0161	0.0153	-0.314	-8.169	-0.002	0.019
15.0	-0.354	-7.834	-0.0194	0.0185	-0.379	-7.855	-0.021	-0.025
15.5	-0.285	-7.480	-0.0164	0.0156	-0.320	-7.476	0.004	-0.035
16.0	-0.178	-7.195	-0.0084	0.0074	-0.158	-7.156	0.039	0.020
16.5	-0.187	-7.017	-0.0109	0.0101	-0.210	-6.993	0.019	-0.023
17.0	-0.198	-6.830	-0.0105	0.0094	-0.199	-6.758	0.042	-0.001
17.5	-0.210	-6.632	-0.0094	0.0085	-0.179	-6.589	0.043	0.031
18.0	-0.213	-6.422	-0.0115	0.0105	-0.220	-6.410	0.012	-0.007
18.5	-0.389	-6.209	-0.0193	0.0189	-0.387	-6.190	0.019	0.002
19.0	-0.543	-5.820	-0.0265	0.0256	-0.521	-5.803	0.017	0.022
19.5	-0.536	-5.277	-0.0267	0.0259	-0.526	-5.282	-0.005	0.010
20.0	-0.485	-4.741	-0.0258	0.0248	-0.506	-4.756	-0.015	-0.021
20.5	-0.509	-4.256	-0.0267	0.0259	-0.526	-4.250	0.006	-0.017
21.0	-0.488	-3.747	-0.0245	0.0238	-0.483	-3.724	0.023	0.005
21.5	-0.483	-3.259	-0.0236	0.0230	-0.466	-3.241	0.018	0.017
22.0	-0.558	-2.776	-0.0267	0.0260	-0.527	-2.775	0.001	0.031
22.5	-0.565	-2.218	-0.0290	0.0283	-0.573	-2.248	-0.030	-0.008
23.0	-0.587	-1.653	-0.0307	0.0302	-0.609	-1.675	-0.022	-0.022
23.5	-0.569	-1.066	-0.0290	0.0285	-0.575	-1.066	0.000	-0.006
24.0	-0.497	-0.497	-0.0247	0.0244	-0.491	-0.491	0.006	0.006





#### 4. TILTMETER



MESUREMENT OF TILTMETER(T-1)

(sec)

DATE	READING		DISPLACEMENT		ACCUMULATION MAX.		
	N-S	E-W	N-S	E-W	N-S	E-W	INCLINATION
20, MAY, 1989			348	26	618	198	649
01, JUN., 1989	3	-3	15	-23	633	175	657
12, JUN., 1989	-230	38	-133	35	500	210	542
26, JUN., 1989	260	-320	30	-78	530	132	546
06, JUL., 1989	295	-295	35	-25	565	107	575
14, JUL., 1989	303	-283	8	-12	573	95	581
21, JUL., 1989	317	-275	14	-108	587	-13	587
02, AUG., 1989	330	-265	13	-10	600	-23	600
09, AUG., 1989	330	-254	0	-11	600	-34	601
15, AUG., 1989	330	-231	0	-23	600	-57	603
22, AUG., 1989	345	-228	15	-3	615	-60	618
30, AUG., 1989	5	-224	20	-4	635	-64	638
06, SEP., 1989	5	-211	0	-13	635	-77	640
14, SEP., 1989	195	260	190	49	825	-28	825
20, SEP., 1989	-170	270	-25	10	800	-18	800
27, SEP., 1989	-110	300	-60	30	740	12	740
04, OCT., 1989	110	300	0	0	740	12	740
11, OCT., 1989	110	300	0	0	740	12	740
18, OCT., 1989	118	-297	18	-3	758	9	758
25, OCT., 1989	127	300	9	3	767	12	767
08, NOV., 1989	-120	300	-7	0	760	12	760
15, NOV., 1989	-113	300	-7	0	753	12	753
29, NOV., 1989	134	-280	21	-20	774	-8	774
06, DEC., 1989	-128	292	-6	12	768	4	768
14, DEC., 1989	173	-285	45	-7	813	-3	813
20, DEC., 1989	-128	357	-45	72	768	69	771
27, DEC., 1989	197	-340	69	-17	837	52	839
04, JAN., 1990	271	-310	74	-30	911	22	911
10, JAN., 1990	315	-295	44	-15	955	7	955
17, JAN., 1990	319	301	4	6	959	13	959
24, JAN., 1990	354	-290	35	-11	994	2	994
31, JAN., 1990	3	303	9	13	1003	15	1003
07, FEB., 1990	4	305	1	2	1004	17	1004
14, FEB., 1990	355	6	351	61	1355	78	1357
21, FEB., 1990	-235	22	-120	16	1235	94	1239
28, FEB., 1990	-131	-304	-104	-78	1131	16	1131
07, MAR., 1990	-18	325	-113	21	1018	37	1019
14, MAR., 1990	231	345	213	20	1231	57	1232
21, MAR., 1990	281	-339	50	-6	1281	51	1282
28, MAR., 1990	320	-305	39	-34	1320	17	1320
04, APR., 1990	350	-270	30	-35	1350	-18	1350
11, APR., 1990	-345	-257	-5	-13	1345	-31	1345
18, APR., 1990	-325	-241	-20	-16	1325	-47	1326
25, APR., 1990	325	245	0	4	1325	-43	1326
02, MAY, 1990	326	256	1	11	1326	-32	1326
09, MAY, 1990	-303	300	-23	4	1303	-28	1303
16, MAY, 1990	335	-270	32	-30	1335	-58	1336
23, MAY, 1990	9	-248	34	-22	1369	-80	1371
30, MAY, 1990	-344	260	-25	12	1344	-68	1346
06, JUN., 1990	355	-243	11	-17	1355	-85	1358
13, JUN., 1990	1	-239	6	-4	1361	-89	1364
20, JUN., 1990	13	-232	12	-7	1373	-96	1376
27, JUN., 1990	17	-224	4	-8	1377	-104	1381
05, JUL., 1990	-215	15	-162	151	1215	47	1216
11, JUL., 1990	28	-210	173	-165	1388	-118	1393



MESUREMENT OF TILTMETER(T-2)

(sec)

DATE	READING		DISPLACEMENT		ACCUMULATION		MAX.
	N-S	E-W	N-S	E-W	N-S	E-W	INCLINATION
20, MAY, 1989			281	291	-90	342	354
01, JUN., 1989	-233	-281	-48	-10	-138	332	360
12, JUN., 1989	-145	88	-88	167	-226	499	548
26, JUN., 1989	-338	-46	-167	-42	-393	457	603
06, JUL., 1989	-300	-23	-38	-23	-431	434	612
14, JUL., 1989	-188	38	-112	15	-543	449	705
21, JUL., 1989	-160	-30	-28	-8	-571	441	721
02, AUG., 1989	-121	-26	-39	-4	-610	437	750
09, AUG., 1989	-98	29	-59	3	-669	440	801
15, AUG., 1989	-64	38	-34	9	-703	449	834
22, AUG., 1989	-43	-32	-21	-6	-724	443	849
30, AUG., 1989	-32	38	-11	6	-735	449	861
06, SEP., 1989	33	-28	1	-10	-734	439	855
14, SEP., 1989	37	-19	4	-9	-730	430	847
20, SEP., 1989	87	30	50	11	-680	441	810
27, SEP., 1989	110	45	23	15	-657	456	800
04, OCT., 1989	150	-42	40	-3	-617	453	765
11, OCT., 1989	180	-30	30	-12	-587	441	734
18, OCT., 1989	-110	32	-70	2	-657	443	792
25, OCT., 1989	-84	37	-26	5	-683	448	817
08, NOV., 1989	-54	37	-30	0	-713	448	842
15, NOV., 1989	-15	-36	-39	-1	-752	447	875
29, NOV., 1989	-290	-34	-85	-2	-837	445	948
06, DEC., 1989	290	35	0	1	-837	446	948
14, DEC., 1989	155	82	225	47	-612	493	786
20, DEC., 1989	299	103	144	21	-468	514	695
27, DEC., 1989	-310	-60	-349	-43	-817	471	943
04, JAN., 1990	-184	155	-126	95	-943	566	1100
10, JAN., 1990	-68	-144	-116	-11	-1059	555	1196
17, JAN., 1990	90	150	12	6	-1047	561	1188
24, JAN., 1990	345	170	255	20	-792	581	982
31, JAN., 1990	-295	-156	-50	-14	-842	567	1015
07, FEB., 1990	328	167	33	11	-809	578	994
14, FEB., 1990	714	303	386	136	-423	714	830
21, FEB., 1990	-280	-148	-74	-155	-497	559	748
28, FEB., 1990	40	210	120	62	-377	621	726
07, MAR., 1990	316	-117	276	-93	-101	528	538
14, MAR., 1990	-171	187	-145	70	-246	598	647
21, MAR., 1990	-89	191	-442	4	-688	602	914
28, MAR., 1990	-235	-183	-214	-8	-902	594	1080
04, APR., 1990	-138	-165	-97	-18	-999	576	1153
11, APR., 1990	-79	-161	-59	-4	-1058	572	1203
18, APR., 1990	-36	-153	-43	-8	-1101	564	1237
25, APR., 1990	-30	168	-6	15	-1107	579	1249
02, MAY, 1990	-23	186	-7	20	-1114	599	1265
09, MAY, 1990	148	-163	125	-23	-989	576	1145
16, MAY, 1990	-30	-152	-118	-11	-1107	565	1243
23, MAY, 1990	293	-142	263	-10	-844	555	1010
30, MAY, 1990	-292	148	-1	6	-845	561	1014
06, JUN., 1990	-210	-140	-82	-8	-927	553	1079
13, JUN., 1990	-175	-138	-35	-2	-962	551	1109
20, JUN., 1990	-144	138	-31	0	-993	551	1136
27, JUN., 1990	161	-123	-17	-15	-1010	536	1143
05, JUL., 1990	-115	132	-46	9	-1056	545	1188
11, JUL., 1990	-83	133	-32	1	-1088	546	1217



MESUREMENT OF TILTMETER(T-3)

(sec)

DATE	READING		DISPLACEMENT		ACCUMULATION MAX.		
	N-S	E-W	N-S	E-W	N-S	E-W	INCLINATION
20, MAY, 1989			120	50	1164	405	1232
01, JUN., 1989	-95	-35	-25	-15	1139	390	1204
12, JUN., 1989	-32	103	-63	68	1076	458	1169
26, JUN., 1989	0	0	0	0	1076	458	1169
06, JUL., 1989	123	127	91	24	1167	482	1263
14, JUL., 1989	-105	-118	-18	-9	1149	473	1243
21, JUL., 1989	-91	-115	-14	-3	1135	470	1228
02, AUG., 1989	-76	-110	-15	-5	1120	465	1213
09, AUG., 1989	-63	-98	-13	-12	1107	453	1196
15, AUG., 1989	-54	-85	-9	-13	1098	440	1183
22, AUG., 1989	-51	-81	-3	-4	1095	436	1179
30, AUG., 1989	-45	-80	-6	-1	1089	435	1173
06, SEP., 1989	45	80	0	0	1089	435	1173
14, SEP., 1989	163	240	118	160	1207	595	1346
20, SEP., 1989	173	-180	10	-60	1217	535	1329
27, SEP., 1989	245	-140	72	-40	1289	495	1381
04, OCT., 1989	260	190	15	50	1304	545	1413
11, OCT., 1989	280	225	60	35	1364	580	1482
18, OCT., 1989	301	225	21	0	1385	580	1502
25, OCT., 1989	335	225	34	0	1419	580	1533
08, NOV., 1989	-311	-205	-24	-20	1395	560	1503
15, NOV., 1989	-300	-190	-11	-15	1384	545	1487
29, NOV., 1989	-254	-145	-46	-45	1338	500	1428
06, DEC., 1989	255	155	1	10	1339	510	1433
14, DEC., 1989	-170	-138	-85	-17	1254	493	1347
20, DEC., 1989	-155	-78	-15	-60	1239	433	1312
27, DEC., 1989	230	105	75	27	1314	460	1392
04, JAN., 1990	230	117	0	12	1314	472	1396
10, JAN., 1990	230	-111	0	-6	1314	466	1394
17, JAN., 1990	-214	-90	-16	-21	1298	445	1372
24, JAN., 1990	-211	104	-3	14	1295	459	1374
31, JAN., 1990	-192	-92	-19	-12	1276	447	1352
07, FEB., 1990	-190	-74	-2	-18	1274	429	1344
14, FEB., 1990	-508	87	-318	13	956	442	1053
21, FEB., 1990	-23	-45	-125	-42	831	400	922
28, FEB., 1990	-279	111	-104	66	727	466	864
07, MAR., 1990	27	-70	108	-41	835	425	937
14, MAR., 1990	255	143	228	73	1063	498	1174
21, MAR., 1990	35	195	500	52	1563	550	1657
28, MAR., 1990	77	-46	42	-149	1605	401	1654
04, APR., 1990	-26	-308	-51	-98	1554	303	1583
11, APR., 1990	33	29	7	81	1561	384	1608
18, APR., 1990	40	-15	13	-14	1574	370	1617
25, APR., 1990	-360	97	-40	82	1534	452	1599
02, MAY, 1990	320	174	320	77	1854	529	1928
09, MAY, 1990	63	188	103	14	1957	543	2031
16, MAY, 1990	95	-162	32	-26	1989	517	2055
23, MAY, 1990	-75	-123	-20	-141	1969	376	2005
30, MAY, 1990	76	126	1	3	1970	379	2006
06, JUN., 1990	-47	-112	-29	-14	1941	365	1975
13, JUN., 1990	-39	112	-8	0	1933	365	1967
20, JUN., 1990	-32	-101	-7	-11	1926	354	1958
27, JUN., 1990	33	-100	1	-1	1927	353	1959
05, JUL., 1990	-27	105	-6	5	1921	358	1954
11, JUL., 1990	-16	-93	-11	-12	1910	346	1941





MESUREMENT OF TILTMETER(T-4)

(sec)

DATE	READING		DISPLACEMENT		ACCUMULATION MAX.		
	N-S	E-W	N-S	E-W	N-S	E-W	INCLINATION
20, MAY, 1989			83	12	696	306	760
01, JUN., 1989	131	51	48	39	744	345	820
12, JUN., 1989	-13	131	-118	80	626	425	757
26, JUN., 1989	152	186	139	173	765	598	971
06, JUL., 1989	160	201	8	15	773	613	987
14, JUL., 1989	166	218	6	17	779	630	1002
21, JUL., 1989	170	-175	4	-43	783	587	979
02, AUG., 1989	175	-123	5	-52	788	535	952
09, AUG., 1989	185	189	10	75	798	610	1004
15, AUG., 1989	187	236	2	47	800	657	1035
22, AUG., 1989	-178	236	-9	0	791	657	1028
30, AUG., 1989	-172	236	-6	0	785	657	1024
06, SEP., 1989	-170	236	-2	0	783	657	1022
14, SEP., 1989	247	-172	77	-64	860	593	1045
20, SEP., 1989	250	175	3	3	863	596	1049
27, SEP., 1989	251	180	1	5	864	601	1052
04, OCT., 1989	300	210	49	30	913	631	1110
11, OCT., 1989	10	260	70	50	983	681	1196
18, OCT., 1989	38	293	28	33	1011	714	1238
25, OCT., 1989	74	318	36	25	1047	739	1282
08, NOV., 1989	93	327	19	9	1066	748	1302
15, NOV., 1989	110	339	17	12	1083	760	1323
29, NOV., 1989	115	355	5	16	1088	776	1336
06, DEC., 1989	-100	-340	-15	-15	1073	761	1315
14, DEC., 1989	355	-260	255	-80	1328	681	1492
20, DEC., 1989	10	-232	15	-28	1343	653	1493
27, DEC., 1989	69	289	59	57	1402	710	1572
04, JAN., 1990	80	305	11	16	1413	726	1589
10, JAN., 1990	90	311	10	6	1423	732	1600
17, JAN., 1990	100	311	10	0	1433	732	1609
24, JAN., 1990	-80	-120	-20	-191	1413	541	1513
31, JAN., 1990	90	127	10	7	1423	548	1525
07, FEB., 1990	90	127	0	0	1423	548	1525
14, FEB., 1990	-2	-69	-88	-58	1335	490	1422
21, FEB., 1990	-300	-280	-62	-149	1273	341	1318
28, FEB., 1990	-77	-140	-137	-140	1136	201	1154
07, MAR., 1990	155	-55	78	-85	1214	116	1220
14, MAR., 1990	-40	-238	-115	-177	1099	-61	1101
21, MAR., 1990	144	7	104	129	1203	68	1205
28, MAR., 1990	280	155	136	148	1339	216	1356
04, APR., 1990	30	256	110	101	1449	317	1483
11, APR., 1990	54	276	24	20	1473	337	1511
18, APR., 1990	76	292	22	16	1495	353	1536
25, APR., 1990	308	-165	232	-127	1727	226	1742
02, MAY, 1990	-259	-40	-49	-125	1678	101	1681
09, MAY, 1990	340	147	81	107	1759	208	1771
16, MAY, 1990	3	186	23	39	1782	247	1799
23, MAY, 1990	18	215	15	29	1797	276	1818
30, MAY, 1990	21	225	3	10	1800	286	1823
06, JUN., 1990	-20	233	-1	8	1799	294	1823
13, JUN., 1990	-16	241	-4	8	1795	302	1820
20, JUN., 1990	-10	251	-6	10	1789	312	1816
27, JUN., 1990	-2	261	-8	10	1781	322	1810
05, JUL., 1990	-350	-257	-12	-4	1769	318	1797
11, JUL., 1990	350	-256	0	-1	1769	317	1797



MESUREMENT OF TILTMETER(T-5)

(sec)

DATE	READING		DISPLACEMENT		ACCUMULATION MAX.		INCLINATION
	N-S	E-W	N-S	E-W	N-S	E-W	
20, MAY, 1989			50	100	511	-170	539
01, JUN., 1989	289	-78	239	-22	750	-192	774
12, JUN., 1989	295	-12	6	-66	756	-258	799
26, JUN., 1989	-280	-285	-15	-273	741	-531	912
06, JUL., 1989	53	-175	133	-110	874	-641	1084
14, JUL., 1989	54	-90	1	-85	875	-726	1137
21, JUL., 1989	175	-65	121	-25	996	-751	1247
02, AUG., 1989	275	-40	100	-25	1096	-776	1343
09, AUG., 1989	-187	98	-88	58	1008	-718	1238
15, AUG., 1989	-119	175	-68	77	940	-641	1138
22, AUG., 1989	272	-114	153	-61	1093	-702	1299
30, AUG., 1989	358	-64	86	-50	1179	-752	1398
06, SEP., 1989	108	-68	110	-4	1289	-756	1494
14, SEP., 1989	235	197	487	489	1776	-267	1796
20, SEP., 1989	237	-97	2	-100	1778	-367	1815
27, SEP., 1989	240	-55	3	-42	1781	-409	1827
04, OCT., 1989	-190	55	-50	0	1731	-409	1779
11, OCT., 1989	-144	55	-46	0	1685	-409	1734
18, OCT., 1989	-93	150	-51	95	1634	-314	1664
25, OCT., 1989	-58	308	-35	158	1599	-156	1607
08, NOV., 1989	62	360	4	52	1603	-104	1606
15, NOV., 1989	65	65	3	65	1606	-39	1606
29, NOV., 1989	105	175	40	110	1646	71	1648
06, DEC., 1989	110	203	5	28	1651	99	1654
14, DEC., 1989	140	218	30	15	1681	114	1685
20, DEC., 1989	150	228	10	10	1691	124	1696
27, DEC., 1989	-147	252	-3	24	1688	148	1694
04, JAN., 1990	-140	270	-7	18	1681	166	1689
10, JAN., 1990	-130	-263	-10	-7	1671	159	1679
17, JAN., 1990	-126	263	-4	0	1667	159	1675
24, JAN., 1990	170	276	44	13	1711	172	1720
31, JAN., 1990	180	-260	10	-16	1721	156	1728
07, FEB., 1990	205	-252	25	-8	1746	148	1752
14, FEB., 1990	-192	-240	-13	-12	1733	136	1738
21, FEB., 1990	195	240	3	0	1736	136	1741
28, FEB., 1990	207	245	12	5	1748	141	1754
07, MAR., 1990	-205	255	-2	10	1746	151	1753
14, MAR., 1990	-185	280	-20	25	1726	176	1735
21, MAR., 1990	185	-251	0	-29	1726	147	1732
28, MAR., 1990	195	253	10	2	1736	149	1742
04, APR., 1990	205	284	10	31	1746	180	1755
11, APR., 1990	-199	293	-6	9	1740	189	1750
18, APR., 1990	-191	304	-8	11	1732	200	1744
25, APR., 1990	-160	-200	-31	-104	1701	96	1704
02, MAY, 1990	-131	289	-29	89	1672	185	1682
09, MAY, 1990	282	-115	151	-174	1823	11	1823
16, MAY, 1990	-99	281	-183	166	1640	177	1650
23, MAY, 1990	-71	300	-28	19	1612	196	1624
30, MAY, 1990	-51	32	-20	92	1592	288	1618
06, JUN., 1990	-23	329	-28	297	1564	585	1670
13, JUN., 1990	-1	330	-22	1	1542	586	1650
20, JUN., 1990	-341	344	-20	14	1522	600	1636
27, JUN., 1990	-325	355	-16	11	1506	611	1625
05, JUL., 1990	-313	6	-12	11	1494	622	1618
11, JUL., 1990	-300	16	-13	10	1481	632	1610



MESUREMENT OF TILTMETER(T-6)

(sec)

DATE	READING		DISPLACEMENT		ACCUMULATION		MAX.
	N-S	E-W	N-S	E-W	N-S	E-W	INCLINATION
20, MAY, 1989			48	110	-170	1124	1137
01, JUN., 1989	189	150	141	40	-29	1164	1164
12, JUN., 1989	5	223	176	73	147	1237	1246
26, JUN., 1989	-204	42	-161	179	-14	1416	1416
06, JUL., 1989	215	62	11	20	-3	1436	1436
14, JUL., 1989	223	65	8	3	5	1439	1439
21, JUL., 1989	225	65	2	0	7	1439	1439
02, AUG., 1989	227	67	2	2	9	1441	1441
09, AUG., 1989	-201	105	-26	38	-17	1479	1479
15, AUG., 1989	-184	155	-17	50	-34	1529	1529
22, AUG., 1989	198	-98	14	-48	-20	1481	1481
30, AUG., 1989	208	-60	10	-38	-10	1443	1443
06, SEP., 1989	-165	-178	-43	-242	-53	1201	1202
14, SEP., 1989	167	310	2	132	-51	1333	1334
20, SEP., 1989	209	-300	42	-10	-9	1323	1323
27, SEP., 1989	232	-202	23	-98	14	1225	1225
04, OCT., 1989	290	285	58	83	72	1308	1310
11, OCT., 1989	320	300	30	15	102	1323	1327
18, OCT., 1989	326	5	6	65	108	1388	1392
25, OCT., 1989	334	85	8	80	116	1468	1473
08, NOV., 1989	359	149	25	64	141	1532	1538
15, NOV., 1989	75	225	76	76	217	1608	1623
29, NOV., 1989	275	-85	200	-140	417	1468	1526
06, DEC., 1989	345	115	70	30	487	1498	1575
14, DEC., 1989	-195	148	-150	33	337	1531	1568
20, DEC., 1989	307	-57	112	-91	449	1440	1508
27, DEC., 1989	320	130	13	73	462	1513	1582
04, JAN., 1990	15	165	55	35	517	1548	1632
10, JAN., 1990	85	188	70	23	587	1571	1677
17, JAN., 1990	145	220	60	32	647	1603	1729
24, JAN., 1990	240	-195	95	-25	742	1578	1744
31, JAN., 1990	-196	308	-44	113	698	1691	1829
07, FEB., 1990	250	-265	54	-43	752	1648	1811
14, FEB., 1990	356	-221	106	-44	858	1604	1819
21, FEB., 1990	7	-170	11	-51	869	1553	1780
28, FEB., 1990	75	-355	68	-175	937	1378	1666
07, MAR., 1990	210	-175	135	-180	1072	1198	1608
14, MAR., 1990	221	-138	11	-37	1083	1161	1588
21, MAR., 1990	237	160	16	22	1099	1183	1615
28, MAR., 1990	120	-325	243	-195	1342	988	1666
04, APR., 1990	285	-200	165	-125	1507	863	1737
11, APR., 1990	313	217	28	17	1535	880	1769
18, APR., 1990	33	223	80	6	1615	886	1842
25, APR., 1990	240	275	207	52	1822	938	2049
02, MAY, 1990	-210	308	-30	33	1792	971	2038
09, MAY, 1990	300	-204	90	-104	1882	867	2072
16, MAY, 1990	30	209	90	5	1972	872	2156
23, MAY, 1990	150	-158	120	-51	2092	821	2247
30, MAY, 1990	180	197	30	39	2122	860	2290
06, JUN., 1990	190	204	10	7	2132	867	2302
13, JUN., 1990	201	223	11	19	2143	886	2319
20, JUN., 1990	220	228	19	5	2162	891	2338
27, JUN., 1990	-205	290	-15	62	2147	953	2349
05, JUL., 1990	270	300	65	10	2212	963	2413
11, JUL., 1990	-212	310	-58	10	2154	973	2364



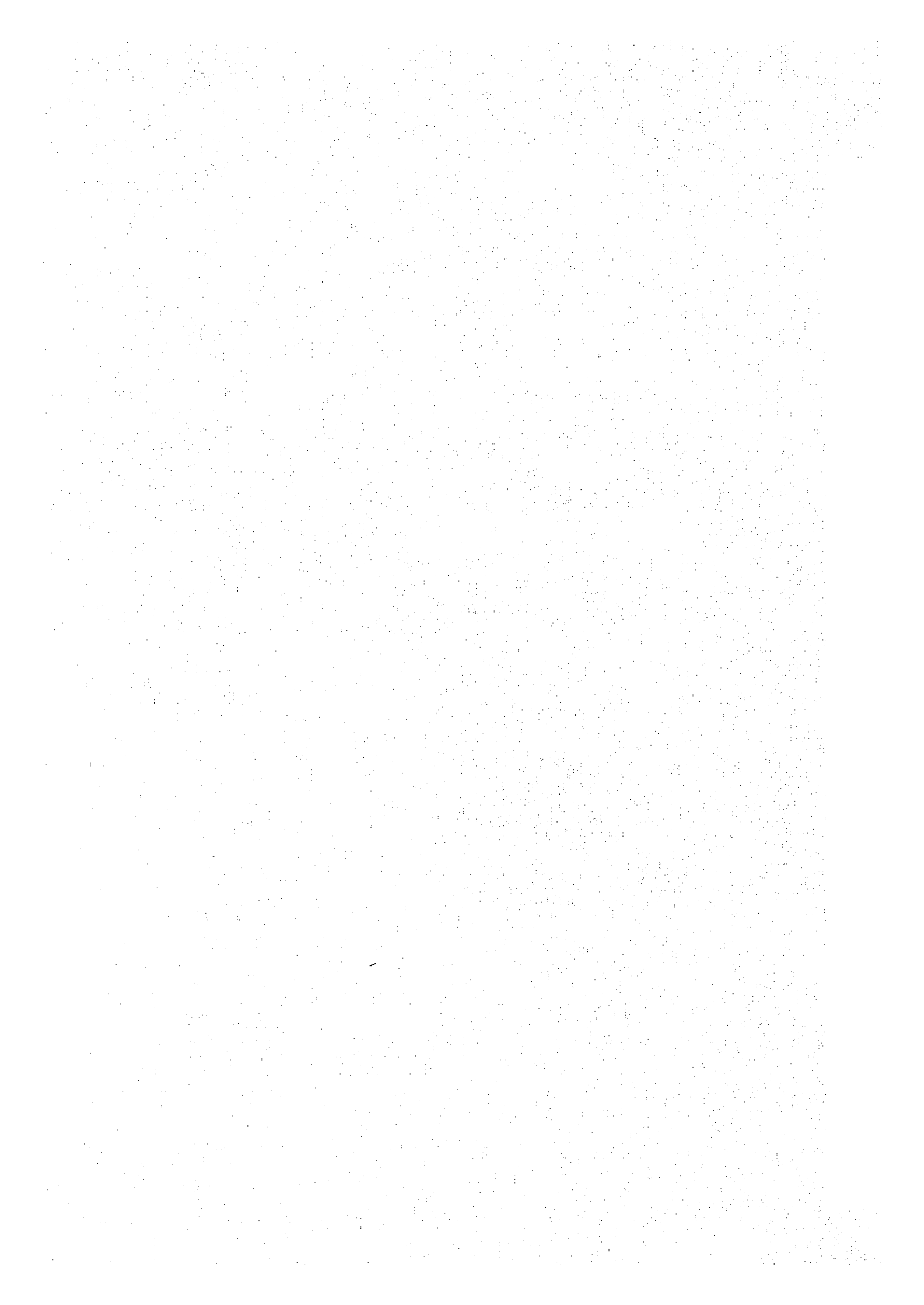
MESUREMENT OF TILTMETER(T-7)

DATE	READING		DISPLACEMENT		ACCUMULATION MAX.		(sec)
	N-S	E-W	N-S	E-W	N-S	E-W	INCLINATION
20, MAY, 1989			185	345	-3	7	8
01, JUN., 1989	185	355	0	10	-3	17	17
12, JUN., 1989	-84	-328	-101	-27	-104	-10	104
26, JUN., 1989	195	-320	111	-8	7	-18	19
06, JUL., 1989	195	320	0	0	7	-18	19
14, JUL., 1989	210	-313	15	-7	22	-25	33
21, JUL., 1989	-195	341	-15	28	7	3	8
02, AUG., 1989	215	12	20	31	27	34	43
09, AUG., 1989	217	-4	2	-8	29	26	39
15, AUG., 1989	225	-355	8	-9	37	17	41
22, AUG., 1989	-218	359	-7	4	30	21	37
30, AUG., 1989	-212	5	-6	6	24	27	36
06, SEP., 1989	232	-351	20	-14	44	13	46
14, SEP., 1989	255	-323	23	-28	67	-15	69
20, SEP., 1989	255	323	0	0	67	-15	69
27, SEP., 1989	255	323	0	0	67	-15	69
04, OCT., 1989	-242	323	-13	0	54	-15	56
11, OCT., 1989	-235	323	-7	0	47	-15	49
18, OCT., 1989	-231	-316	-4	-7	43	-22	48
25, OCT., 1989	-222	-311	-9	-5	34	-27	43
08, NOV., 1989	243	318	21	7	55	-20	59
15, NOV., 1989	307	330	64	12	119	-8	119
29, NOV., 1989	89	-305	142	-25	261	-33	263
06, DEC., 1989	122	-297	33	-8	294	-41	297
14, DEC., 1989	167	-284	45	-13	339	-54	343
20, DEC., 1989	188	-275	21	-9	360	-63	365
27, DEC., 1989	191	285	3	10	363	-53	367
04, JAN., 1990	-189	-271	-2	-14	361	-67	367
10, JAN., 1990	192	296	3	25	364	-42	366
17, JAN., 1990	192	297	0	1	364	-41	366
24, JAN., 1990	-70	-283	-122	-14	242	-55	248
31, JAN., 1990	96	-268	26	-15	268	-70	277
07, FEB., 1990	114	-245	18	-23	286	-93	301
14, FEB., 1990	208	-180	94	-65	380	-158	412
21, FEB., 1990	234	-172	26	-8	406	-166	439
28, FEB., 1990	-164	235	-70	63	336	-103	351
07, MAR., 1990	250	-165	86	-70	422	-173	456
14, MAR., 1990	250	165	0	0	422	-173	456
21, MAR., 1990	-220	175	-30	10	392	-163	425
28, MAR., 1990	220	-170	0	-5	392	-168	426
04, APR., 1990	-205	175	-15	5	377	-163	411
11, APR., 1990	213	-169	8	-6	385	-169	420
18, APR., 1990	220	-165	7	-4	392	-173	428
25, APR., 1990	-218	-150	-2	-15	390	-188	433
02, MAY, 1990	220	150	2	0	392	-188	435
09, MAY, 1990	-200	160	-20	10	372	-178	412
16, MAY, 1990	210	-151	10	-9	382	-187	425
23, MAY, 1990	-200	152	-10	1	372	-186	416
30, MAY, 1990	225	165	25	13	397	-173	433
06, JUN., 1990	-217	184	-8	19	389	-154	418
13, JUN., 1990	225	-177	8	-7	397	-161	428
20, JUN., 1990	231	206	6	29	403	-132	424
27, JUN., 1990	235	-199	4	-7	407	-139	430
05, JUL., 1990	-220	-185	-15	-14	392	-153	421
11, JUL., 1990	245	220	25	35	417	-118	433





## 5. EXTENSOMETER



Table

Extensometer Readings (in mm)  
Period: JUNE 1989

DATE	E1	Acc.	E2	Acc.	E3	Acc.	E4	Acc.	E5	Acc.	E6	Acc.	E7	Acc.	E8	Acc.
1	0	36.9	0	131.0	0	257.1	0		0		0		0		0	
2	0		0		0		0		0		0		0		0	
3	0.5	37.4	0		0		0		0		0		0		0	
4	1	38.4	0.4	131.4	0		0		0		0		0		0	
5	1.8	40.2	0		0.5	257.6	0		0		0		0		0	
6	0.6	40.8	0		0		0.5	246.5	0		0		0		0	
7	0.5	41.3	0		0		0		0		0		0		0	
8	0.2	41.5	0		0		0		0		0		0		0.4	0.4
9	0.8	42.3	0		0		0		0		0		0.6	0.6	0	
10	0.5	42.8	0		0		0		0		0		0		-0.2	0.2
11	0.8	43.6	0		0		0		0		0		0		-0.4	-0.2
12	0.6	44.2	0		0		0		0		0		0		-0.2	-0.4
13	0		0		0		0		0		0		0.2	0.8	-0.4	-0.8
14	0		0		0		0		0		0		0.2	1.0	0	
15	0		0		0		0		0		0		0.2	1.2	-0.4	-1.2
16	0		0		0		0		0		0		0		-0.2	-1.4
17	0		0		0		0		0		0		0		0	
18	0		0		0		0		0		0		0		0	
19	0		0		0		0		0		0		0		0	
20	0		0		0		0		0		0		0		0	
21	0		0		0		0		0		0		0		0	
22	0		0		0		0		0		0		0		0	
23	0		0		0		0.2	246.7	0		0		0		0	
24	0		0		0		0.1	246.8	0		0		0		1.0	-0.4
25	0		0		0		0		0		0		-0.4	0.8	-0.2	-0.6
26	0		0		0		0		0		0		0		-0.2	-0.8
27	0		0		0		0		0		0		0		0	
28	0		0		0		0		0		0		0		0	
29	0		0		0		0		0		0		0		0	
30	0	44.2	0	131.4	0	257.6	0	246.8	0	0.0	0	0.0	0	0.0	0	-0.8



Table Extensometer Readings (in mm)

Period: JUNE. 1989

DATE	E9	Acc	E10	Acc	E11	Acc	E12	Acc	E13	Acc	E14	Acc	E15	Acc.	E16	Acc.
1	0		0		0		0									
2	0		0		0		0									
3	0		0		0		0									
4	0		0		0		0									
5	0		0		0		0									
6	0		0		0		0									
7	0.4	0.4	0		-0.4	-0.4	0									
8	0		0		-0.2	-0.6	0									
9	0		0		0		0									
10	-		0		0		0									
11	-		0		0		0									
12	0		0		0		0									
13	0		0		0		0									
14	0		0		0		0									
25	0		0		0		0									
16	0		0		0		0									
17	0		0		0		0									
18	0		0		0		0									
20	0		0		0		0									
21	0		0		0		0									
22	0		0		0		0									
23	0		0		0		0									
24	0		0		0		0				0		0		0	
25	0		0		0		0				0		0		0	
26	0		0		0		0				0		0		0	
27	0		0		0		0				0		0		0	
28	0		0		0		0				0		0		0	
29	0		0		0		0				0		0		0	
30	0	0.4	0	0.0	0	-0.6	0	0.0			0	0.0	0	0.0	0	0.0









Table

Extensometer Readings (in mm)

Period: JULY 1989

DATE	E9	Acc.	E10	Acc	E11	Acc.	E12	Acc.	E13	Acc	E14	Acc	E15	Acc.	E16	Acc
1	0	0.4	0	0.0	0	-0.6	0	0.0			0	0.0	0	0.0	0	0.0
2	0		0		0		0				0		0		0	
3	0		0		0		0				0		0		0	
4	0		0		0		0				0		0		0	
5	0		0		0		0				0		-0.2	-0.2	0	
6	0		0		0		0				0		0.1	-0.1	0	
7	0		0		0		0				0		0.2	0.1	0	
8	0		0		0		0				0.2	0.2	-0.4	-0.3	0	
9	0		0		0		0				0		0		0	
10	0		0		0		0				0		0		0	
11	0		0		0		0				0		0		0	
12	0		0		0		0				0		0		0	
13	0		0		0		0				0		0		0	
14	0		0		0		0				0		0		0	
15	0		0		0		0				0		0		0	
16	0		0		0		0				0		0		0	
17	0		0		0		0				0		0		0	
18	0		0		0		0				0		0		0	
19	0		0		0		0				0		0		0	
20	-0.1	0.3	0		0		0				0		0		0	
21	-0.2	0.1	0		0		0				0		0		0	
22	-0.2	-0.1	0		0		0				0		0		0	
23	-0.2	-0.3	0		0		0				0		0		0	
24	-0.2	-0.5	0		0		-0.2	-0.2			0		0		0	
25	0		0		0		0				0		0		0	
26	0		0		0		0				0		0		0	
27	0		0		0		0				0		0		0	
28	0		0		0		0				0		0		0	
29	-0.2	-0.7	0.4	0.4	0		0				0		0		0	
30	-0.4	-1.1	0		0		0				0		0		0	
31	-0.2	-1.3	0		0		0				0		0		0	



Table

Extensometer Readings (in mm)

Period: AUG. 1989

DATE	E1	Acc.	E2	Acc.	E3	Acc.	E4	Acc.	E5	Acc.	E6	Acc.	E7	Acc.	E8	Acc.
1	0	47.3	0	131.8	-	261.0	0		0	0	0	0	0	0.2	0	-0.8
2	0		0		-		0		0		0		0		0	
3	0		0		-		0		0		0		0		0	
4	0		0		-		0		0		0		0		0	
5	0		0		-		0		0		0		0		0	
6	0		0		-		0		0		0		0		0	
7	0		0		-		0		0		0		0		0	
8	0.2	47.5	0		-		0		0		0		0		0	
9	0.4	47.9	0		-		0		0		0		0		0	
10	0.2	48.1	0		-		0		0		0		0		0	
11	0.5	48.6	0		-		0		0		0		0		0	
12	0.6	49.2	0		-		0		0		0		0		0	
13	0.4	49.6	0		-		0.4	248.8	0		0		0		0	
14	0.2	49.8	0		-		0		0		0		0		0	
15	0		0		-		0		0		0		0		0	
16	0		0		-		0		0		0		0		0	
17	0		0		-		0		0		0		0		0	
18	0		0		-		0		0		0		0		0	
19	0		0		-		0		0		0		0		0	
20	0		0		-		0		0		0		0		0	
21	0		0		-		0		0		0		0		0	
22	0		0		-	0	0		0		0		0		0	
23	0		0		0.1	261.1	0		0		0		0		0	
24	0		0		0.1	261.2	0		0		0		0		0	
25	0	49.8	0	131.8	0.2	261.4	0	248.8	0	0	0	0	0	0.2	0	-0.8
26	0		0		0		0		0		0		0		0	
27	0		0		0		0		0		0		0.2	0.4	0	
28	0		0		0		0		0		0		0.2	0.6	0	
29	0		0		0.4		0		0		0		0		0	
30	0		0		0.4		0		0		0		0		0	
31	0	49.8	0	131.8	0	262.2	0	248.8	0	0	0	0	0	0.6	0	-0.8



Table Extensometer Readings (in mm)

Period: AUG. 1989

DATE	E9	Acc. E10	Acc E11	Acc. E12	Acc. E13	Acc E14	Acc E15	Acc. E16	Acc
1	-0.1	-1.4	0 0.4	0 -0.6	0	-	0 0.2	0 -0.3	0 0
2	-0.2	-1.6	0.2 0.6	0	0	-	0	0	0
3	0		0	0	0	-	0	0	0
4	0		0	0	0	-	0	0	0
5	-0.2	-1.8	0	0	0	-	0	0	0
6	-0.2	-2	0	0	0	-	0	0	0
7	-0.2	-2.2	0	0	0	-	0	0	0
8	0		0.1 0.7	0	0	-	0	0	0
9	0		0.1 0.8	0	0	-	0	0	0
10	0		0	0	-0.4 -0.6	-	-0.2 0	0	0
11	0		0	0	0	-	0	0	0
12	0		0	0	0	-	0	0	0
13	0		0	0	0	-	0	0	0
14	0		0	0	0.2 -0.4	-	0	0	0
15	0		0	0	0	-	0.2 0.2	0	0
16	0		0	0	0	-	0	0	0
17	0		0	0	0	-	0	0	0
18	0		0	0	0	-	0	0	0
19	0		0	0	0	-	0	0	0
20	0		0	0	0	-	0	0	0
21	0		0	0	0	-	0	0	0
22	0		0	0	-0.2 -0.6	-	0	0	0
23	0		0	0	0	-	0	-0.5 -0.8	0
24	0		0	0	-0.2 -0.8	-	0	0	0
25	0 -2.2	0 0.8	0 -0.6	0	0	-	0 0.2	0 -0.8	0 0
26	0		0	0	0	-	0	0	0
27	0		0	0	0	0	0.2 0.4	0	0
28	0		0	0	0.4 0.4	0	0	0	0
29	0		0	0	-0.4 0	0	0.2 0.6	0	0.2 0.2
30	0		0	0	0	0	0	0	0.2 0.4
31	0 -2.2	0 0.8	0 -0.6	0	0	0	0 0.6	0 -0.8	0 0.4



Table Extensometer Readings (in mm)

Period: SEP. 1989

DATE	E1	Acc. E2	Acc. E3	Acc. E4	Acc. E5	Acc. E6	Acc. E7	Acc. E8	Acc.
1	0	49.8	0.8	132.6	0	262.2	0	248.8	0
2	0		0		0		0		0
3	0		0	0.2	262.4	0			0
4	0		0	0		0			0
5	0		0	0.2	262.6	0			0
6	0		0	0		0			0
7	0		0	0		0	248.8	0	0
8	0	49.8	0	132.6	0	262.6	0	249.8	0
9	-0.2	49.6	2.0	134.6	-2.0	260.6	1.0	250.8	-
10	0		0				1.0		-
11	0		0						-
12	0		0						-
13	0.2	49.8	0						-
14	0.2	50.0	0						-
15	0		0	134.6	0.2	260.8	0	250.8	-
16	0		0						-0.1
17	0		0						-0.4
18	0.2	50.2	0						0
19	0.1	50.3	0						0
20	0		0						0
21	0		0						0
22	0	50.3	0	134.6	0	260.8	0	250.8	0
23	0		0						-0.5
24	0		0						0
25	0		0						0
26	0		0						0
27	0		0						0
28	0		0						0
29	0	50.3	0	134.6	0	260.8	0		0
30	0		0						0





Table Extensometer Readings (in mm)

Period: SEP. 1989

DATE	E9	Acc. E10	Acc. E11	Acc. E12	Acc. E13	Acc E14	Acc E15	Acc. E16	Acc.						
1	0	-2.2	0	0.8	0	-0.6	0	0	0	0	0.6	0	-0.8	0	0.4
2	0		0		0		0		0		0	0		0	
3	0		0		0		0		0	0.3		0		0	
4	0		0		0		0		0		0			0.3	
5	0		0		0		0		0		0			0	
6	0		0		0		0		0		0			0	
7	0		0		0		0		0		0			0	
8	0	-2.2	0	0.8	0	-0.6	0	0	0	0	0.9	0	-0.8	0	0.4
9	5.2	3	-1.8	-1.0	-0.6	-1.2	0		2.0	2.0	0	0.2	-0.6	-0.2	0.2
10	0.6	3.6	0		0		0		0		0			-0.8	-0.6
11	1.0	4.6	0		0		0		0		0			0	
12	1.0	5.6	0		0		0		0		0			0	
13	0.2	5.8	0		-0.6	-1.8	0		0		0			0.2	-0.4
14	1.4	7.2	0		0		0		1.8	3.8	0			0	
15	0	7.2	0	-1.0	0		0	0	0	0	0.4	1.3	0		0
16	0		0		0		-0.2		0.1		0		0		0
17	0		0		0		0		0.1		0		0		0
18	0		0		0		0		0		0		0		0
19	0		0		0		-0.2		0.1		0		0		0
20	0		0		0		0		0.1		0		0		0
21	0		0		0		0		0	4.2	0		0		0
22	0	7.2	0	-1.0	0	-1.8	0	-0.4	0		0	1.3	0		0
23	0		0		0		0		0		0		0		0
24	0		0		0		0		0		0		0		0
25	0		0		0		0		0		0		0		0
26	0		0		0		0		0		0		0		0
27	0		0		0		0		0		0		0		0
28	-0.4	6.8	0	-1.0	0	-1.8	0	-0.4	0	4.2	0	1.3	0	-0.6	0
29	0		0		0		0		0		0				0
30			0		0		0		0		0				0



Table Extensometer Readings (in mm)

Period: OCT.1989

DATE	E1	Acc.	E2	Acc.	E3	Acc.	E4	Acc.	E5	Acc.	E6	Acc	E7	Acc	E8	Acc.
1	0	50.3	0	134.6	0	260.8	0	250.6	0	-0.5	0	1.2	0	1.6	0	-1.1
2	0		0		0		0		0		0		0		-0.2	-1.3
3	0		0		0		0		0		0		0		0	
4	0		0		0		0		0		0		0		0	
5	0		0		0		0		0		0		0		0	
6	0		0		0		0		0		0		0		0	
7	0		0		0		0		0		0		0		0	
8	0		0		0		0		0		0		0		0	
9	0		0		0		0		0		0		0		0	
10	0		0		0.2	261.0	0		0		0		0		0	
11	0		0		0.4	261.4	0		0		0		0		0	
12	0		0		0		0		0		0		0		0	
13	0	50.3	0	134.6	0	261.4	0	250.6	0	-0.5	0	1.2	0	1.6	0	
14	0		0.4	135.0	0		0		0		0		0		0	
15	0		0		0		0		0		0		0		0	
16	-0.1	50.2	0.1	135.1	0		0		0		0		0		0	
17	0		0		0		0		-0.2	-0.7	0		0		0.2	-1.1
18	0		0.3	135.4	0	261.4	0	250.6	0		0		0		0	
19	0		0.1	135.5	0		0		-0.3	-1	0		0		0.2	-0.9
20	-0.1	50.1	-0.1	135.4	0		0		-0.3	-1.3	0	1.2	0	1.6	0	
21	0		0		0		0		0		0		0		0	
22	0		0		0		0		0		0		0		0	
23	0		0		0.2	261.6	0		0		0		0		0	
24	0		0		0.2	261.8	0		0		0		0		0	
25	0		0		0.4	262.2	0	250.6	0		0	1.2	0	1.6	0	
26	0	50.1	0	135.4	0		0		0	-1.3	0		0		0	
27	0		0		0		0		0		0		0		0	
28	0		0		0.5	262.7	0		0		0		0		0	
29	0		-0.4	135.0	1.4	264.1	0		0		0		0		0	
30	0		0.4	135.4	0.8	264.9	0		0.2	-1.1	0		0.6	2.2	0	
31	0	50.1	0.4	135.8	0.6	265.5	0	250.6	0	-1.1	0	1.2	0	2.2	0.2	-0.7



Table Extensometer Readings

Period: OCT.1989

DATE	E9	Acc. E10	Acc. E11	Acc. E12	Acc. E13	Acc. E14	Acc. E15	Acc. E16	Acc.						
1	0	6.8	0	-1.0	0	-1.8	0	-0.4	0	4.2	0	1.3	-0.6	0.4	0
2	0		0		0		0		0		0			0	
3	0		0.2	-0.8	0		0		0		0			0	
4	-0.3	6.5	0		0		0		0		0			0	
5	-0.2	6.3	0		0.2	-1.6	0		0		0			0	
6	-0.2	6.1	0		0		0		0		0			0	
7	0		0		0		0		0		0			0	
8	0		0		0		0		0		0			0	
9	0		0		0		0		0		0			0	
10	0		0		0		0		0		0			0	
11	0.2	6.3	0		0		0		0		0			0	
12	0.2	6.5	0		0		0		0		0			0	
13	0		0	-0.8	0	-1.6	0	-0.4	0	4.2	0	1.3		0	0
14	0		0		0		0		0		0			0	
15	0		0		0		0		0		0.2	1.5		0	
16	0		0		0		0		0		0.2	1.7		0	
17	0		0		0		0		0		0			0	
18	0		0		0		0		0		0			0	
19	0		0		0		0		0		0			0	
20	0		0	-0.8	0	-1.6	0	-0.4	0	4.2	0	1.7		0	0
21	0		-0.4	-1.2	0		-0.2	-0.5	0		0		0	-0.4	-0.4
22	0		-0.6	-1.8	0		0		0		0		0	0	
23	0		-0.2	-2.0	0		0		0		0		0	0	
24	0		-0.4	-2.4	0		0		0		0		0	0	
25	0		0		0		0		0	4.2	0		0	-0.2	-0.6
26	0		-0.4	-2.8	0		0		0		0	1.7	0	0	
27	0		0		0		0		0		0			0	
28	0		0		0		0		0		0			0	
29	0		-0.3	-3.1	0		0		0		0			0	
30	0		0		0		0		0.2	4.4	0			0	
31	0	6.5	1.3	-1.8	0	-1.6	0.2	-0.4	0	4.4	0	1.7		0	-0.6



Table Extensometer Readings (in mm)

Period: NOV.1989

DATE	E1	Acc.	E2	Acc.	E3	Acc.	E4	Acc.	E5	Acc.	E6	Acc.	E7	Acc.	E8	Acc.
1	0	50.1	-0.2	135.6	2.2	267.7	0	250.6	0	-1.1	0	1.2	0	2.2	0	-0.7
2	0		0		1.6	269.3	0		0		0		-0.2	2.0	0	
3	0		0		1.2	270.5	0		0		0		0		0	
4	0		0		0.6	271.1	0		0		0		0		0	
5	0		0		0.6	271.7	0		0		0		0		0	
6	0		0		0.6	272.3	0		0		0		0		-0.2	-0.9
7	0		0		0.8	273.1	0		0		0		0		-0.2	-1.1
8	0		0		0.4	273.5	0		0		0		0		0	
9	0		0		0.4	273.9	0		0		0		0		0	
10	0	50.1	0	135.6	-0.2	273.7	0	250.6	0	-1.1	0	1.2	0	2.0	0	-1.1
11	0		0		0		0		0		0		0		0	
12	0		0		0		0		0		0		0		0	
13	0		0		0		0		0		0		0		0	
14	0		0		0.7	274.4	0		0		0		0.3	2.3	0.1	-1
15	0		0		1.6	276.0	0		0		0		0		0.2	-0.8
16	0		0		2.3	278.3	0		0		0		0		0	0
17	0	50.1	0	135	0		0	250.6	0	-1.1	0	1.2	0	2.3	0	-0.8
18	0		0		0		0		0		0		0		0	
19	0		0		1.0	279.3	0		0		0		0		0	
20	0		0		1.0	280.3	0		0		0		0		0	
21	0		0		0.8	281.1	0		0		0		-0.2	2.1	0	-0.8
22	0		0		0.8	281.9	0		0		0		0		0	
23	0		0		0.8	282.7	0		0		0		0		0	
24	0	50.1	0	135.6	2.0	284.7	0	250.6	0	-1.1	0	1.2	0	2.1	0	
25	0		0.6	136.2	1.4	286.1	0		0		0		0		0	
26	0.250.3		0		3.0	289.1	0		0		0		0		0	
27	0		0		2.2	291.3	0		0		0		-0.1	2.0	0	
28	0		0		3.2	294.5	0		0		0		0		0	
29	0.1	50.4	0		2.8	297.3	0		0		0		-0.2	1.8	0	
30	0	50.4	0	136.2	2.6	299.9	0	250.6	0	-1.1	0	1.2	-0.2	1.6	0	-0.8





Table Extensometer Readings (in mm)

Period: NOV.1989

DATE	E9	Acc E10	Acc. E11	Acc. E12	Acc E13	Acc. E14	Acc. E15	Acc. E16	Acc.						
1	0	6.5	0	-1.8	0	-1.6	0.4	0	0	4.4	0	1.7	-0.6	0	-0.6
2	0		0		0		0	0	0		0			0	
3	0		0		0		0	0	0		0			0	
4	0		-0.6		0		0	0	0		0			0	
5	0		-0.4		0		0	0	0		0			0.2	-0.4
6	-0.2	6.3	-0.4	-2.2	0		0	0	0		0			0.2	-0.2
7	-0.2	6.1	-0.6	-2.8	0		0	0	0		0			0	
8	0		-0.2	-3.0	0		0	0	0		0			0	
9	0		0		0		0	0	0		0			0	
10	0		-0.2	-3.2	0	-1.6	0	0	0	4.4	0	1.7		0	-0.2
11	0		0		0		0	0	0		0			0	
12	0		-0.2	-3.4	0		0	0	0		0			0	
13	0		0		0		0	0	0		0			0.2	0
14	-0.2	5.9	0		0		0	0	0		0			0	
15	0		0		0		0.2	0.2	0		0.8	2.5		0.4	0.4
16	-0.2	5.7	-0.1	-3.5	0		0	0	0		-0.2	2.3		0.2	0.6
17	-0.1	5.6	-0.1	-3.6	0	-1.6	0	0.2	0	4.4	0	2.3		0	0.6
18	0		0		0		0	0	0		0			0	
19	0		0		0		0.2	0.4	0		0			0	
20	-0.2	5.4	0		0		0	0	0		0			0	
21	0		0		0		0	0	0		0			0	
22	0		0		0		0	0	0		0			0	
23	-0.2	5.2	0		0		0	0	0		0			0.2	0.8
24	0		0	-3.6	0	-1.6	0	0.4	0	4.4	0	2.3		0	
25	0		0		0		0	0	0		0			0	
26	0		0		0		0	0	0		0			0	
27	0		0		0		0	0	0		0.4	2.7		0	
28	0		0		0		0	0	0		-0.3	2.4		0	
29	0		0		0		0	0	0		0	2.4		0	
30	-0.2	5.0	0	-3.6	0	-1.6	0	0.4	0	4.4	0	2.4		0	0.8



Table Extensometer Readings (in mm)  
Period: DEC. 1989

DATE	E1	Acc. E2	Acc. E3	Acc. E4	Acc. E5	Acc. E6	Acc E7	Acc E8	Acc.							
1	0	50.4	0	1.2	301.1	0	250.6	0	-1.1	0	1.2	0	1.6	0	-0.8	
2	0		0	0.4	301.5	0		0		0		0.4	2.0	0		
3	0		0	1.0	302.5	0		0		0		0		0		
4	0		0	1.0	303.5	0		0		0		-0.2	1.8	0		
5	0		0	2.4	305.9	0		0		0		-0.2	1.6	0		
6	0		0	136.2	1.4	307.3	0	250.6	0	-1.1	0	1.2	-0.2	1.4	0	-0.8
7	0		0	0.4	307.7	0		0		0		-0.2	1.2	0		
8	0		2.2	138.4	1.2	308.9	-0.4	250.2	-1.8	-2.9	0	1.2	0	0	0	-0.8
9	0		0	0.4	309.3	-0.1	250.1	0		0		-0.3	0.9	-0.4	-1.2	
10	0.2	50.6	0	1.4	310.7	-0.1	250.0	0		0		-0.1	0.8	-1.4	-2.6	
11	0		0.2	138.6	2.8	313.5	-0.2	249.8	0		0	-0.1	0.7	-0.5	-3.1	
12	0		0.3	138.9	3.8	317.3	0		0		0.1	1.3	-0.2	0.5	-1.0	-4.1
13	0		-0.1	138.8	3.0	320.3	0		-0.2	-3.1	0		-0.5	0	-1.0	-5.1
14	0		-0.2	138.6	3.2	323.5	0		0		0		0		-0.8	-5.9
15	0.2	50.8	-0.4	138.2	1.2	324.7	0		0		0		0		-0.3	-6.2
16	0		0.4	138.6	1.6	326.3	0		0		0		0		-0.1	-6.3
17	0		-0.1	139.0	4.8	331.1	0		0		0		0.6	0.6	0	
18	0		-0.1	138.9	2.6	333.7	0		0		0		0		0	
19	0		-0.4	138.5	2.0	335.7	0		-0.4	-3.5	0		0.2	0.8	0	
20	0		0.5	139	2.1	337.8	0		-0.3	-3.8	0.1	1.4	0		0	
21	0		-0.1	138.9	1.8	339.6	0		-0.1	-3.9	0		0.1	0.9	-0.1	-6.4
22	0		-0.1	138.8	0.3	339.9	0		-0.4	-4.3	0		0		0	
23	0		-0.2	138.6	0		0.1	249.9	0		0		0		0	
24	0.1		0	0.1	340.0	0.1	250.0	0		0		0	0		0	
25	0		0.3	138.9	0.1	340.1	0		0		0		0		0	
26	0		-0.1	138.8	0.8	340.9	0		0		0		0		0	
27	-0.1	50.7	0	2.7	343.6	0		0		0		0	0		0	
28	0		-0.1	138.7	1.6	345.2	0		0		0		0		0	
29	0		-0.1	138.6	1.3	346.5	0		0		0		0		0	
30	0		0	138.6	0.8	347.3	0.1	250.1	0		0		0.1	1.0	0	
31	0	50.7		1.2	348.5	0	250.1	0	-4.3	0	1.4	0	1.0	0	0	-6.4



Table Extensometer Readings (in mm)

Period: DEC. 1989

DATE	E9	Acc E10	Acc. E11	Acc. E12	Acc E13	Acc E14	Acc. E15	Acc. E16	Acc.
1	0	5.0	0 -3.6	0 -1.6	0 0.4	0 4.4 -0.2	2.2	0 -0.6	0 0.8
2	0		0	0	0	0	0	0	0
3	0		0	0	0.2 0.6	0	0.2	2.4	0
4	0		0	0	0.2 0.8	0	0.6	3.0	0
5	0		0	0	0	0	0	0	0
6	0	5.0	0 -3.6	0 -1.6	0 0.8	0 -0.1	2.9	0	0
7	0		0.4 -3.2	0	0	0 4.4 -0.2	2.7	0	0
8	0	5.0	0 -3.2	0.4 -2.0	0 0.8	3.4 7.8 -0.8	1.9	0	0 -0.2 0.6
9	0.1	5.1	0	0	0	0	0.1	2.0	0
10	0.3	5.4	0.2 -3.0	0	0	0	0.2	2.2	0
11	0.6	6.0	0.2 -2.8	0	-0.2 0.6	0	0	0	0
12	0.2	6.2	0	0	-0.1 0.5	0	0.2	2.4 -0.2	-0.4 0.5 1.1
13	0		0.5 -2.3	0	0	0	0	0	0
14	0		0 -2.3	0 -2.0	0 0.5	0 7.8	0	0	0 1.1
15	0		0	0	0	0	0.1	2.5	0
16	0		0	0	0	0	0	0	0
17	0.2	6.4	0	-0.1 -1.9	0	0.3 8.1	0	0	0
18	0.4	6.8	0	0	0	0.1 8.2	0.1	2.6	0.1 -0.3 0.1
19	0		0	0	-0.1 0.4	-0.1 8.1	0.1	2.7	0.1 -0.2 0.1
20	0		0	0	0	0.1 8.2	-0.1	2.6	0
21	0		0	0	-0.1 0.3	-0.1 8.1	0.1	2.7	0.2 1.3
22	-0.1	6.7	0	0	0	-0.1 8.0	0.4	3.1	0.2 1.5
23	-0.4	6.3	0	0	0	0	0.1	3.2	0
24	-0.6	5.7	0	0	0.1 0.4	0	0.2	3.4	0.1 1.6
25	-0.5	5.2	0	0	0	-0.4 7.6	0.1	3.5	0.4 2.0
26	-0.7	4.5	0	0	0	-0.1 7.5	0		0
27	-0.5	4.0	0	0	-0.1 0.3	-0.2 7.3	0		0
28	-0.1	3.9	0	0	0.1 0.4	0	0.2	3.7	0
29	-0.2	3.7	0	0	0.2 0.6	0	0.1	3.8	0.1 2.1
30	-0.3	3.4	0	0	0	0	0		0
31	0	3.4	0.2 -2.1	0 1.9	0.1 0.7	0 7.3	0.2	4.0	0 2.1



Table Extensometer Readings (in mm)  
Period: JAN. 1990

DATE	E1	Acc. E2	Acc. E3	Acc. E4	Acc. E5	Acc. E6	Acc. E7	Acc. E8	Acc							
1	0	50.7	-0.1	138.5	1.1	349.6	0	250.1	0	-4.3	0	1.4	0.1	1.1	-0.2	-6.
2	0		-0.1	138.4	0.8	350.4	0		0		0		0		-0.1	-6.
3	0		0		1.7	352.1	0		0		0		0		0	
4	0		-0.2	138.2	1.1	353.2	0		0		0		-0.2	0.9	0	
5	0.1	50.8	0		0.4	353.6	0		0		0		-0.2	0.7	0	
6	0		-0.1	138.1	1.6	355.2	0		0		0		-0.1	0.6	-0.1	-6.
7	0		0		1.7	356.9	0		0		0		-0.1	0.5	0	
8	0.1	50.9	-0.6	137.5	1.3	358.2	0		0		0		-0.1	0.4	0	
9	0		-0.1	137.4	1.8	360.0	0		0		0		0		-0.1	-6.
10	0		0.1	137.5	0.8	360.8	0		0		0		0		-0.1	-7.
11	-0.1	50.8	-0.2	137.3	0.8	361.6	0		0		0		0		0	
12	-0.1	50.7	0.1	137.4	1.4	363.0	0.1	250.2	0		0		0		-0.1	-7.
13	0		1.1	138.5	2.8	365.8	0		0		-0.5	0.9	0.6	1.0	0	
14	0		-0.1	138.4	0.7	366.5	0		0		-0.4	0.5	0		0	
15	0		-0.6	137.8	0.4	366.9	0		0		0		0.1	1.1	0	
16	0		-0.1	137.7	0.5	367.4	0		0		0		0		0	
17	0		-0.1	137.6	0.7	368.1	0		-0.3	-4.6	0		0		0	
18	0		0		1	369.1	0.1	250.3	0		0		-0.1	1.0	0	
19	0		-0.1	137.5	1	370.1	0.1	250.4	-0.3	-4.9	-0.1	0.4	0		0	
20	0		-0.1	137.4	1.6	371.7	0		0		0		0		-0.1	-7.
21	0		-0.1	137.3	1.1	372.8	0		0		0		-0.1	0.9	0	
22	0		-0.4	136.9	1.2	374.0	-0.1	250.3	0		0		0		0	
23	0		-0.1	136.8	0.7	374.7	0		0		0		0.1		0	
24	0		0		0.8	375.5	0		0		0		0		0	
25	0		-0.1	136.7	0.8	376.3	0		0		-0.1	0.3	0		0.3	-6.
26	0		0.3	137.0	1.3	377.6	0		0		-0.2	0.1	0		0.2	-6.
27	0		0		1.3	378.9	0		0		-0.2	-0.1	-0.1	0.8	0	
28	0		-0.1	136.9	0.9	379.8	0		0		0		0		0	
29	0		-0.2	136.7	0.1	379.9	0		0		0		-0.4	0.4	0	
30	0		0		0		0		0		0		-0.2	0.2	0	
31	0		-0.1	136.6	0.4	380.3	0		0		0		-0.2	0	-0.1	-6.





Table Extensometer Readings (in mm)

Period: JAN. 1990

DATE	E9	Acc E10	Acc. E11	Acc. E12	Acc E13	Acc E14	Acc E15	Acc E16	Acc.					
1	-0.2	3.2	0	-2.1	0	-1.9	0.1	0.8	0	7.3	0.1	4.1	0	2.1
2	-0.6	2.6	0		0		0.4	1.2	0		0		0.1	2.2
3	0		0.1		0		0		0		0		0	
4	0		0		0		0.1	7.4	0		0		0	
5	-0.2	2.4	0		0		0		0		0		0	
6	-0.1	2.3	-0.1	-2.2	-0.1	-2.0	0		0		0		0	
7	-0.6	1.7	-0.1	-2.3	0		0.1	1.3	0.1	7.5	0.3	4.4	0	
8	-0.1	1.6	-0.1	-2.4	-0.1	-2.1	-0.3	1.0	0		-0.4	4.0	0	
9	0		0		0		-0.1	0.9	0		-0.2	3.8	0	
10	-0.1	1.5	0		0		-0.1	0.8	-0.1	7.4	-0.2	3.6	0	
11	-0.1	1.4	0		-0.1	-2.2	0		0		-0.1	3.5	0	
12	-0.1	1.3	0		-0.3	-2.5	0		-0.1	7.3	0		-0.1	2.1
13	2.2	3.5	1.9	-0.5	-0.2	-2.7	0.1	0.9	0.5	7.8	-0.3	3.2	-0.1	2.0
14	0.1	3.6	0		-0.7	-3.4	0.1	1.0	0		0		-0.1	1.9
15	0		-0.1	-0.6	0		-0.1	0.9	0		0.4	3.6	0	
16	-0.1	3.5	-0.5	-1.1	0.4	-3.0	-0.1	0.8	-0.1	7.7	-0.1	3.5	0	
17	-0.4	3.1	-0.5	-1.6	0		-0.1	0.7	-0.1	7.6	-0.1	3.4	0	
18	-0.5	2.6	-0.4	-2	0		-0.1	0.6	0		-0.1	3.3	0	
19	-0.6	2	-0.1	-2.1	0		0		-0.1	7.5	0.2	3.5	0	
20	-0.4	1.6	-0.1	-2.2	-0.1	-3.1	-0.1	0.5	0		0.1	3.6	0	
21	-0.2	1.4	0		-0.1	-3.2	0		0		-0.2	3.4	0	
22	-0.3	1.1	0		0		-0.1	0.4	-0.1	7.4	0.2	3.6	0	
23	-0.1	1	0		0		0		0		0.4	4.0	0.2	2.1
24	-0.1	0.9	0		0		0		-0.1	7.3	-0.2	3.8	0	
25	1.6	2.5	0.8	-1.4	0		0		0.2	7.5	0		0	
26	0		0		-0.1	-3.3	0.3	0.7	0		0.3	4.1	0	
27	-0.3	2.2	-0.3	-1.7	0		-0.1	0.6	-0.1	7.4	0.1	4.2	0	
28	-0.2	2.0	-0.2	-1.9	0		0		0		0		0	
29	-0.2	1.8	0		0		-0.2	0.4	0		0.1	4.3	0.2	2.3
30	-0.3	1.5	0		-0.1	-3.4	-0.1	0.3	0		-0.3	4.0	0	
31	-0.5	1.0	0		0		0		0		-0.1	3.9	0	



Table Extensometer Readings (in mm)

Period: FEB. 1990

DATE	E1	Acc. E2	Acc. E3	Acc. E4	Acc. E5	Acc. E6	Acc. E7	Acc. E8	Acc							
1	0	50.7	0.3	136.9	0.2	380.5	0	250.3	0	-4.9	0	-0.1	0.1	0.1	0.7	-6
2	0		0		0.2	380.7	0		0		-0.2	-0.3	0.1	0.2		0
3	0		0		0.1	380.8	0		-0.1	-5.0	-0.2	-0.5		0		0
4	0		0		0.3	380.1	0		-0.1	-5.1	0		-0.1	0.1	-0.1	-6
5	0		0		0		0		0		0.1	-0.4		0		0
6	0		-0.2	136.7	0.1	381.2	0		0		0			0		0
7	0		-0.1	136.6	0.1	381.3	0		0		0			0		0
8	0		-0.1	136.5	0.2	381.5	0		0		0			0		0
9	0		0		0.4	381.9	0		0		0			0		0
10	0		-0.1	136.4	0.4	382.3	0		0		0			0		0
11	0		0		0.4	382.7	0		0		0			0		0
12	0		1.4	137.8	0		-0.2	250.1	-0.1	-5.2	0			0		0
13	0		0.8	138.6	0		-0.3	249.8	-0.1	-5.3	0			0		-1.2 -7
14	0		-0.2	138.4	0.1	382.8	-0.4	249.4	-0.3	-5.6	0		0.1	0.2	-1.3	-8
15	0		-0.1	138.3	0.5	383.3	-0.2	249.2	-0.5	-6.1	0		0.2	0.4	-1.3	-10
16	0		-0.1	138.2	0.6	383.9	0		-0.4	-6.5	0		0		-1	-11
17	0		0		0.8	384.7	0		-0.3	-6.8	-0.1	-0.3		0		-0.3 -11
18	0		0		0.4	385.1	0		0		-0.1	-0.2		0		0
19	0		0		0.2	385.3	0		0		0			0		-0.1 -11
20	0		0		0.2	385.5	0		0		0.5	0.3	0.9	1.3		0
21	-1.6	49.1	0.2	138.4	1.2	386.7	-0.6	248.6	-1.4	-8.2	0.9	1.2		0		0.3 -11
22	-0.1	49.0	0.4	138.8	1.5	388.2	-0.3	248.3	0		0			0		-0.1 -11
23	-0.2	48.8	0		0.9	389.1	0		0		0			0		-0.7 -11
24	-0.1	48.7	0.1	138.9	1.6	390.7	0		0		0			0		-0.3 -12
25	-0.1	48.6	0		1.8	392.5	0		0		0			0		-0.5 -12
26	0		0		0.6	393.1	0		0		0			0		-0.1 -12
27	0		0		2.3	395.4	0		0		0			0		0
28	0		0		2.6	398.0	-0.1	248.2	0		0		-0.3	1.0		



Table Extensometer Readings (in mm)

Period: FEB. 1990

DATE	E9	Acc. E10	Acc. E11	Acc. E12	Acc. E13	Acc. E14	Acc. E15	Acc E16	Acc					
1	1.3	2.3	0.4	-1.5	0	-3.4	0	0.3	0.6	8.0	0.1	4.0	0	2.3
2	0.2	2.5	-0.2	-1.7	-0.1	-3.5	0.1	0.4	-0.1	7.9	0.3	4.3	0	
3	-0.3	2.2	-0.5	-2.2	0		0		0		-0.1	4.2	0	
4	-0.7	1.5	-0.3	-2.5	0		0		0		0		0	
5	-0.5	1.0	0		0		0		0		0.3	4.5	0	
6	-0.1	0.9	0		0		0		0		-0.1	4.4	0	
7	-0.4	0.5	0		0		0		0		-0.1	4.3	0	
8	-0.5		0		0		0	-0.1	7.8		0		0	
9	-0.3	-0.3	0		0		0	-0.1	7.7		0		0	
10	-0.2	-0.5	0.1	-2.4	0		0		0		0		0	
11	0		0.3	-2.1	0		0		0		0.5	4.8	0	
12	3.2	2.7	0		0		0	1.0	8.7	-0.8	4.0		0	
13	0.6	3.3	0		0		0		0		0		0	
14	0.3	3.6	0		0	-0.1	0.3		0		0		0	
15	0.1	3.7	0		0	-0.2	0.1		0		0		0	
16	0		0		0	-0.1	0		0		-0.1	3.9	0	
17	-0.1	3.6	0		0		0	-0.1	8.6		0		0	
18	-0.3	3.3	0		0		0	-0.2	8.4		0		0	
19	-0.4	2.9	0		0		0	-0.2	8.2	0.1	4.0		0	
20	-0.1	2.8	0.4	-1.7	0		0	-0.3	8.5		0		-0.1	2.2
21	5.1	7.9	0		0		0	-0.2	8.7	-0.1	3.9		-0.4	1.8
22	0.4	8.3	0.8	-0.9	0		0		0	-0.1	3.8		-0.1	1.7
23	0.3	8.6	0.4	-0.5	0	0.1	0.1		0		0		0	
24	0.3	8.9	0.4	-0.1	0		0	0.1	8.8		0		-0.3	1.4
25	0		0.1	0	0		0		0		0		0	
26	0		0.2	0.2	0		0		0		0.2	4.0	-0.2	1.2
27	0		0		0.1	-3.4	0		0		0		0	
28	-0.5	8.4	0		0.1	-3.3	0		0		0		0	



Table

Extensometer Readings (in mm)

Period: MAR.90

DATE	E1	Acc. E2	Acc. E3	Acc. E4	Acc. E5	Acc. E6	Acc. E7	Acc. E8	Acc.							
1	0	48.6	0	138.9	1.5	399.5	-0.1	248.1	0	-8.2	0	1.2	0	1.0	-0.7	-14.
2	0		0		1.2	400.7	0		0		0		0		-0.3	-15.
3	0		0		3.2	403.9	0		0		0		-0.1	0.9	0.2	-14.
4	0		0		6.2	410.1	0		0		0		0		0.1	-14.
5	0		0		8.0	418.1	0		0		0		0		0.2	-14.
6	-0.8	47.8	0		21.6	439.7	0		0		-0.2	1.0	0		0.6	-13.
7	-0.6	47.2	0		12.7	452.4	-0.1	248.0	0		0		-0.4	0.5	0.3	-12.
8	-0.1	47.1	-0.2	138.7	14.0	466.4	-0.1	247.9	0.4	-7.8	-0.2	0.8	0		0	-12.
9	-0.1	47.0	-0.2	138.5	11.6	478.0	0		0		0		0		0	
10	-0.1	46.9	0		8.9	486.9	0		0.1	-7.7	0		0		0	
11	-0.1	46.8	0		9.4	496.3	0		0		0		-0.2	0.3	0	
12	0		0		9.6	505.9	0		0		0		-0.2	0.1	0	
13	0		-0.2	138.3	8.4	514.3	0		0		0		0		0	
14	0		-0.1	138.2	8.2	522.5	0		0		0		0		0	
15	-0.3	46.5	-0.1	138.1	7.2	529.7	0		0		0		0		0	
16	-0.3	46.2	-0.1	138.0	6.5	536.2	0		0		0		0		-0.1	-12.
17	-0.3	45.9	-0.2	137.8	7.0	543.2	0		0		0		0		-0.2	-12.
18	-0.4	45.5	-0.1	137.7	5.8	549.0	0		0		0		0		0	
19	-0.1	45.4	0		3.5	552.5	0		0		0		0		-0.2	-13.
20	-0.8	44.6	0.2	137.9	5.1	557.6	0		0		0		0		-0.2	-13.
21	-0.4	44.2	0.1	138.0	4.2	561.8	0		0		0		0		-0.2	-13.
22	-0.6	43.6	0.1	138.1	5.0	566.8	0		0		0		0		-0.1	-13.
23	-0.7	42.9	0.2	138.3	4.8	571.6	0		0		0.2	1.0	0		0.1	-13.
24	-0.8	42.1	0.4	138.4	4.6	576.2	0		0		0		0.2	0.3	-0.1	-13.
25	-0.4	41.7	0.4	138.8	5.4	581.6	0	247.9	0	-7.7	0.2	1.2	0		0	
26	0	41.7	-0.6	138.2	1.6	583.2	0		0		0		0		0	
27	-0.1	41.6	0		3.3	586.5	0		0		0		0		0	
28	-0.5	41.1	0		3.7	590.2	0		0		0		0		0	
29	-0.3	40.8	0		3.7	593.9	0		0		0		0		0	
30	-0.6	40.2	0		3.0	596.9	0		0		0		0		0	
31	-0.1	40.1	0		3.0	599.9	0		0		0		0		0	





Table Extensometer Readings (in mm)  
 Period: MAR. 1990

DATE	E9	Acc. E10	Acc E11	Acc. E12	Acc. E13	Acc E14	Acc E16	AccE17	Acc.
1	-0.6	7.8	0 0.2	0 -3.3	-0.4 -0.3	0 8.8	0 4	0 1.2	
2	-0.5	7.3	0	0 -0.2	-0.5 -0.2	8.6	0	0	
3	-0.5	6.8	-0.1 0.1	0	0	-0.3 8.3	0	0	
4	0		0	0	0		0	-0.1 1.1	
5	0		0	0	0		0	-0.1 1	
6	0.5	7.3	0	0	0		-0.2 3.8	-0.1 0.9	
7	-0.1	7.2	0	0.2 -3.1	-0.2 -0.7	0	-0.1 3.7	-0.2 0.7	
8	-0.1	7.1	0	0.1 -3.0	-0.1 -0.8	0	0	-0.1 0.6	
9	-0.1	7.0	0	0	0	0	0	0	
10	0		0	0	0	0	0	0	
11	-0.1	6.9	0.1 0.2	0	0	0	-0.1 3.8	0	
12	-0.1	6.8	0	0	0	0	-0.2 3.6	0	
13	-0.1	6.7		0	0	0	0	0	
14	-0.1	6.6		0	0	-0.1 8.2	0.1 3.7	0	
15	-0.5	6.1		0	0	-0.1 8.1	0.1 3.8	0	
16	-0.6	5.5		0	0	-0.1 8.0	0	0	
17	-0.6	4.9		0	0	-0.3 7.7	-0.1 3.7	0	
18	-0.9	4.0		0	0	-0.1 7.6	0	0	
19	0	4.0		0	0	-0.2 7.4	-0.1 3.6	0	
20	-0.5	3.5	0	0	0	-0.1 7.3	0	0	
21	-0.9	2.6	0	0	0	-0.3 7.0	0	0	0.8 0.8
22	-1.1	1.5	0	0	0	0	0	0	0.8 1.6
23	-1.7	-0.2	0	0	0	0	0.2 3.8	0	0.9 2.5
24	-0.8	-1.0	0	0	0	0 7.0	0	0	0.7 3.2
25	1.0	0	0 0.2	0 -3.0	0	0	0	0	0.6 3.8
26	0		0	0	0	0	0.5 4.3	0	0
27	0		0	0.1 -2.9	0	0	0.4 4.7	0	0.6 4.4
28	0.2	0.2	0	0.1 -2.8	0	0	0	0	0.5 4.9
29	0.3	0.5	0	0.2 -2.6	0	0	0	0	0.5 5.4
30	0		0	0.1 -2.5	0	0	0	0	0.6 6.0
31	0		0 0.2	0 -2.5	0	0	0	0	0.6 6.6



Table Extensometer Readings (in mm)

Period: APR.1990

DATE	E1	Acc.	E2	Acc.	E3	Acc.	E4	Acc.	E5	Acc.	E6	Acc.	E7	Acc.	E8	Acc.
1	-0.1	40.0	0	138.2	4.3	604.2	0	247.9	0	-7.7	0	1.2	0	0.3	0	-13.7
2	-0.5	39.5	0		0.9	605.1	0		0		0		0		0	
3	-0.5	39.0	0		2.8	607.9	0		0		0		0		0	
4	-0.2	38.8	0		2.4	610.3	0		0		0		0		0	
5	0		0		3.0	613.3	0		0		0		0		0	
6	-0.1	38.7	0		3.0	616.3	0		0		0		0		0	
7	0		0		1.4	617.7	0		0		0		0		0	
8	0		0	138.2	2.8	620.5	0	247.9	0	-7.7	0	1.2	0	0.3	0	-13.7
9	0		0		0.8	621.3	0		0		0		0		0	
10	0		0		1.7	623.0	0		0		0		0		0	
11	0		0		1.0	624.0	0		0.6	-7.1	0		0		0	
12	0		0		1.4	625.4	0		-0.4	-7.5	0		0		0	
13	0		0		0.9	626.3	0		-0.1	-7.6	0		0		0	
14	0		0		1.4	627.7	0		-0.1	-7.7	0		0		0	
15	0	38.7	0	138.2	1.8	629.5	0	247.9	-0.2	-7.9	0	1.2	0	0.3	0	-13.7
16	0		-0.5	137.7	0.3	629.8	0		0		0		0		0	
17	0		-0.1	137.6	0.8	630.6	0		0		0		0		0	
18	0		-0.1	137.5	1.6	632.2	0		0		0		0		0	
19	0		-0.1	137.4	1.8	634.0	0		0		0		0		0	
20	0		0		1.5	635.5	0		0		0		0		0	
21	0		0		2.3	637.8	0		0		0		0		0	
22	0		0		2.6	640.4	0		0		0		0		0	
23	0		-0.8	136.6	4.0	644.4	0	247.9	0	-7.9	0		0		3.6	-10.1
24	0.2	38.9	0.4	137.0	0.4	644.8	0		-0.6	-8.5	0		0		0.1	-10.0
25	0.4	39.3	0.2	137.2	1.0	645.8	-1.0	246.9	-0.3	-8.8	0		0		-0.6	-10.6
26	0.2	39.5	0.4	137.6	1.0	646.8	-0.8	246.1	0		0		0		-0.1	-10.7
27	0.2	39.7	0.1	137.7	0.6	647.4	-0.2	245.9	0		0		0		-0.8	-11.5
28	0.2	39.9	0.2	137.9	1.0	648.4	-0.2	245.7	-0.3	-9.1	0		0		-0.4	-11.9
29	0		0.1	138.0	1.0	649.4	0		-0.1	-9.2	0		0		-0.2	-12.1
30	0		-0.5	137.5	0.2	649.6	0		-0.4	-9.6	0	1.2	0	0.3	-0.3	-12.4



Table Extensometer Readings (in mm)

Period: APR. 1990

DATE	E9	Acc E10	Acc. E11	Acc.E12	Acc E13	Acc. E14	Acc. E16	Acc.E17	Acc.					
1	0	0.5	0	0.2	0.1	-2.4	0	7.0	0	4.7	0	0.6	0.4	7.0
2	0		0		0		0		0		0		0	
3	0		0		0		0		0		0		0.3	7.3
4	0		0		0		0		0		0		0.5	7.8
5	0		0		0		0		0		0		0.4	8.2
6	0		0		0		0		0		0		0.5	8.7
7	0		0		0		0		0		0		0.3	9.0
8	0	0.5	0	0.2	0	-2.4	0	7.0	0	4.7	0	0.6	0.6	9.6
9	0		0		0		0		0		0		0.2	9.8
10	1.5	2	0		0		0		0		0		0	
11	0		0		0		0		0		0		0	
12	-0.1	1.9	-0.2	0	0		0		0		0		0.2	10.0
13	-0.1	1.8	-0.5	-0.5	0		0		0		0		0.3	10.3
14	-0.1	1.7	-0.4	-0.9	0		0		0		0		0.3	10.6
15	-0.2	1.5	-0.4	-1.3	0	-2.4	0	7.0	0	4.7	0	0.6	0.2	10.8
16	0	1.5	0		0		0		0		0		0	
17	-0.2	1.3	0		0		0		0		0		0.8	11.6
18	0	1.3	0		0		0		0		0		0.4	12.0
19	-0.1	1.2	0		0		0		0		0		0.2	12.2
20	-0.1	1.1	0		0		0		0		0		0.2	12.4
21	0	1.1	0		0		0		0		0		0.2	12.6
22	-0.2	0.9	0		0		0		0		0		0.5	13.1
23	3.4	4.3	-1.0	-2.3	-0.2	-2.6			0.2	4.9	-1.0	-0.4	6.0	19.1
24	2	6.3	0		-0.5	-3.1			-0.1	4.8	-1.0	-1.4	2.2	21.3
25	1.5	7.8	0		0				0	-0.2	4.6	0	2.4	23.7
26	0		0		0				0	-0.2	4.4	0	1.6	25.3
27	0		0		0				-0.2	6.8	0	0	0.5	25.8
28	0		0		0				-1.0	5.8	0	0	0.2	26.0
29	0		0		0				-1.0	4.8	0	0	0.1	26.1
30	0	7.6	0	-2.3	0				-0.2	4.6	0	0	0	



Table

## Extensometer Readings (in mm)

Period: MAY 1990

DATE	E1	Acc. E2	Acc. E3	Acc. E4	Acc. E5	Acc. E6	Acc. E7	Acc. E8									
1	0	39.9	0	137.5	0	649.6	0	245.7	-0.3	-9.9	0	1.2	0	0.3	-0.4	-	
2	0		0		0				-0.1	-10.0	-0.2	1.0	0		-1.5	-	
3	0			0.1	649.7				-0.2	-10.2	0		0		-0.4	-	
4	0			0.2	649.9				-0.1	-10.3	-0.3	0.7	0		-0.3	-	
5	0			0.4	650.3				0		-0.2	0.5	0		-0.4	-	
6	-0.2	39.7	0	0.6	650.9				0		0		0		-0.1	-	
7	-0.1	39.6	-1.2	136.3	0.1	651.0			-0.2	-10.5	0		0		-0.2	-	
8	-0.1	39.5	-0.1	136.2	0.2	651.2			0		0		0		-0.1	-	
9	-0.1	39.4	-0.2	136.0	1.2	652.4			0		0		0		-0.1	-	
10	-0.2	39.2	-0.1	135.9	0.8	653.2		0	245.7		0		0		-0.1	-	
11	0			0.7	653.9	0.1	245.8		0		0		0.1	0.4	0		
12	-0.1	39.1	0	1.2	655.1	0.3	246.1		0		0		0		0		
13	0		-0.1	135.8	1.4	656.5			0		0		0		0		
14	0		-0.5	135.3	0.5	657.0			0		-0.1	0.4	-0.2	0.2	0		
15	0		-0.2	135.1	0				0.1	-10.4	0		0		0		
16	0		-0.1	135.0	0.3	657.3			0		-0.1	0.3	0		0		
17	0		-0.2	134.8	1.6	658.9			0		0		0		0		
18	0		0		2	660.9			0		0		0		0		
19	0		-0.1	134.7	2.1	663.0			0		0		0		0		
20	0		0		3.4	666.4			0		0		0		0		
21	0		-0.1	134.6	0.9	667.3		-0.1	246.0		0		0		0		
22	0		-0.1	134.5	0.3	667.6				-0.2	-10.6	0		0	0		
23	0		-0.1	134.4	1.9	669.5				-0.1	-10.7	0		-0.1	-0.1	-0.1	-
24	0		0		2.6	672.1			0		0		-0.5	-0.4	0		
25	0		-0.1	134.3	2.5	674.6			0		0		0.1	-0.3	0		
26	0		0		0.1	674.7			0		-0.4	-0.1	-0.1	-0.4	0		
27	0		-0.1	134.2	0		0.1	246.1		0	-10.7	-0.1	-0.2	0	0.1	-	
28	0		-0.1	134.1	0		0.5	246.6		0	-10.7	0		-0.1	-0.5	-0.1	-
29	0		0		0		-0.2	246.4		0		0		-0.4	-0.9	0	
30	0		0		1.5	676.2		0		0		0		-0.1	-1.0	0	
31	0		-0.1	134.0	2.3	678.5		0		0		0		-0.1	-1.1	0	





Table Extensometer Readings (in mm)

Period: MAY 1990

DATE	E9	Acc.	E10	Acc.	E11	Acc.	E12	Acc.	E13	Acc.	E14	Acc.	E16	Acc.	E17	Acc.
1	0	7.8	0	-2.3	0	-3.1		-0.8	0	4.6	0	4.4	0.2	-1.2	0	26.
2	-0.6	7.2	-0.4	-2.7	0				0		0		0		-0.4	25.
3	-1.0	6.2	0		0				-0.1	4.5	0		0		-0.4	25.
4	-0.8	5.4	-0.4	-3.4	0				-0.2	4.3	0		0		-0.6	24.
5	-0.6	4.8	0		0				-0.3	4	0		0		-0.6	24.
6	-1.2	3.6	0		0				-0.4	3.6	0		0		-0.6	23.
7	-0.5	3.1	0		0				-0.1	3.5	0.6	5.0	0		-0.2	23.
8	-0.1	3.0	0		0				-0.2	3.3	0		0		0	
9	-0.1	2.9	0		0				-0.4	2.9	0.1	5.1	0		-0.3	23.
10	-0.1	2.8	0		0				-0.2	2.7	0		0		0	
11	0		1.0	-2.1	0				-0.2	2.5	0.1	5.2	0		-0.1	23.
12	0		0.1	-2.0	0.2	-2.9			0		0.2	5.4	0		0	
13	0		-0.1	-2.1	0				0		0.2	5.6	0		0	
14	0		0.1	-2.0	0				0		-0.1	5.5	0		0	
15	0		0		0.1	-2.8	-0.1	-0.9	0		0.1		0		0	
16	0		0		0		0		0		0		0		0	
17	-0.1	2.7	0		0.2	-2.6	0		0		0.1	5.6	0.1	-1.1	0	
18	0		-0.1	-2.1	0.1	-2.5	0		0		-0.1	5.5	0		0.1	23.
19	-0.1	2.6	0		0.1	-2.4	0		0		0		0.1	-1.0	0.4	23.
20	0		-0.2	-2.3	0		-0.1	-1.0	0		0		-0.1	-1.1	0	
21	0		0		0.1	-2.3	-0.1	-1.1	0		-0.1	5.4	0		0.1	23.
22	0		0		0		-0.1	-1.2	0		-0.1	5.3	0		0	
23	-0.1	2.5	0		0		0		0		0		0		0	
24	-0.3	2.2	0		0		0		0		0		0		0	
25	-0.1	2.1	0		0		0		0		0		0		0	
26	0.6	2.7	1.6	-0.7	-0.1	-2.4	0		0.4	2.9	0		0		0.1	23.
27	0		0		0		0.2	-1.0	0		0.3	5.6	0		0.9	24.
28	0		-0.1	-0.8	0		0		0		0.3	5.9	0.2	-0.9	0.2	24.
29	-0.2	2.5	-0.3	-1.1	0		0		0		0		0.1	-0.8	0	
30	0.1	2.4	-0.2	-1.3	0		0		0		-0.1	5.8	0		0	
31	0	2.4	-0.2	-1.5	0		0		0		-0.1	5.7	0		-0.1	24.







Table Extensometer Readings (in mm)

Period: JUNE 1990

DATE	E9	Acc.E10	Acc. E11	Acc. E12	Acc. E13	Acc.E14	Acc.E16	Acc. E17	Acc.						
1	-0.1	2.3	0	0	-0.1	-1.1	0	-0.1	5.6	0.1	-0.7	0	24.7		
2	-0.1	2.2	-0.1	-1.6	0	-0.1	-1.2	0	0	0	0	0			
3	-0.1	2.1	0	0	-0.1	-1.3	0.1	3.0	0	0	0	0			
4	0	0	0	-2.4	-0.1	-1.4	0	0	0	0	0	0			
5	0	0	0	0	-0.1	-1.5	0	0	0	0	0	0			
6	-0.1	2.0	0	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0	0	0	0			
8	-0.1	1.9	0	0	0	0	0	0	0	0	0	0			
9	-0.1	1.8	0	0	0.1	-1.4	0	0	0	0	0	0.2	24.9		
10	0	1.0	-0.6	0	-2.4	-0.2	-1.6	0	3.0	0	5.6	0	-0.7	0.3	25.2
11	0	0	0	0	-0.1	-1.7	0	0.1	5.7	0	0	0.1	25.3		
12	0	0	0	0	0.1	-1.6	0	-0.1	5.6	0	0	0			
13	0	0	0	0	-0.1	-1.7	0	0.1	5.7	0	0	0.1	25.4		
14	-0.1	1.7	0	-0.1	-2.5	0.1	-1.6	0	0.1	5.8	0	0			
15	0	0	0	0	-0.1	-1.7	0	-0.1	5.7	0	0	0			
16	0	-0.1	-0.7	-0.1	-2.6	0	0	0	0	0	0	0			
17	0	0	-0.2	-2.8	0.1	-1.6	0	0	0	0	0	0.1	25.5		
18	0	0	0	0	0	0	0	-0.1	5.6	0	0	0			
19	0	0	0	0	0	0	0	-0.2	5.4	0	0	0			
20	0	0	-0.1	-2.9	0	0	0	0	0	0	0	0			
21	-0.1	1.6	0	-0.1	-3.0	0	0.1	3.1	0	0	0	0.1	25.6		
22	-0.1	1.5	0	-0.1	-3.1	0	0	0	0	0	0	0.1	25.7		
23	0	0	-0.1	-3.2	0	0.1	3.2	-0.1	5.3	0	0	0.2	25.9		
24	0	0	-0.1	-3.3	0	0	0	0	0	0	0	0.2	26.1		
25	0	0	0	0	-0.3	-1.9	0	0	0	0	0	0.2	26.3		
26	0.2	1.7	0	0	0	0.2	3.4	0	0	0	0	0.6	26.9		
27	0.1	1.8	-0.1	-0.8	0	0.1	-1.8	0	0.2	5.5	0	0.9	27.8		
28	-0.3	1.5	-0.1	-0.9	0	0	0	0.1	5.6	0	0	0			
29	-0.4	1.1	-0.2	-1.1	0	0.1	-1.7	0	0.1	5.7	0	0			
30	-0.5	0.6	0	-0.1	-3.4	-0.1	-1.8	0	0	0	0	0			





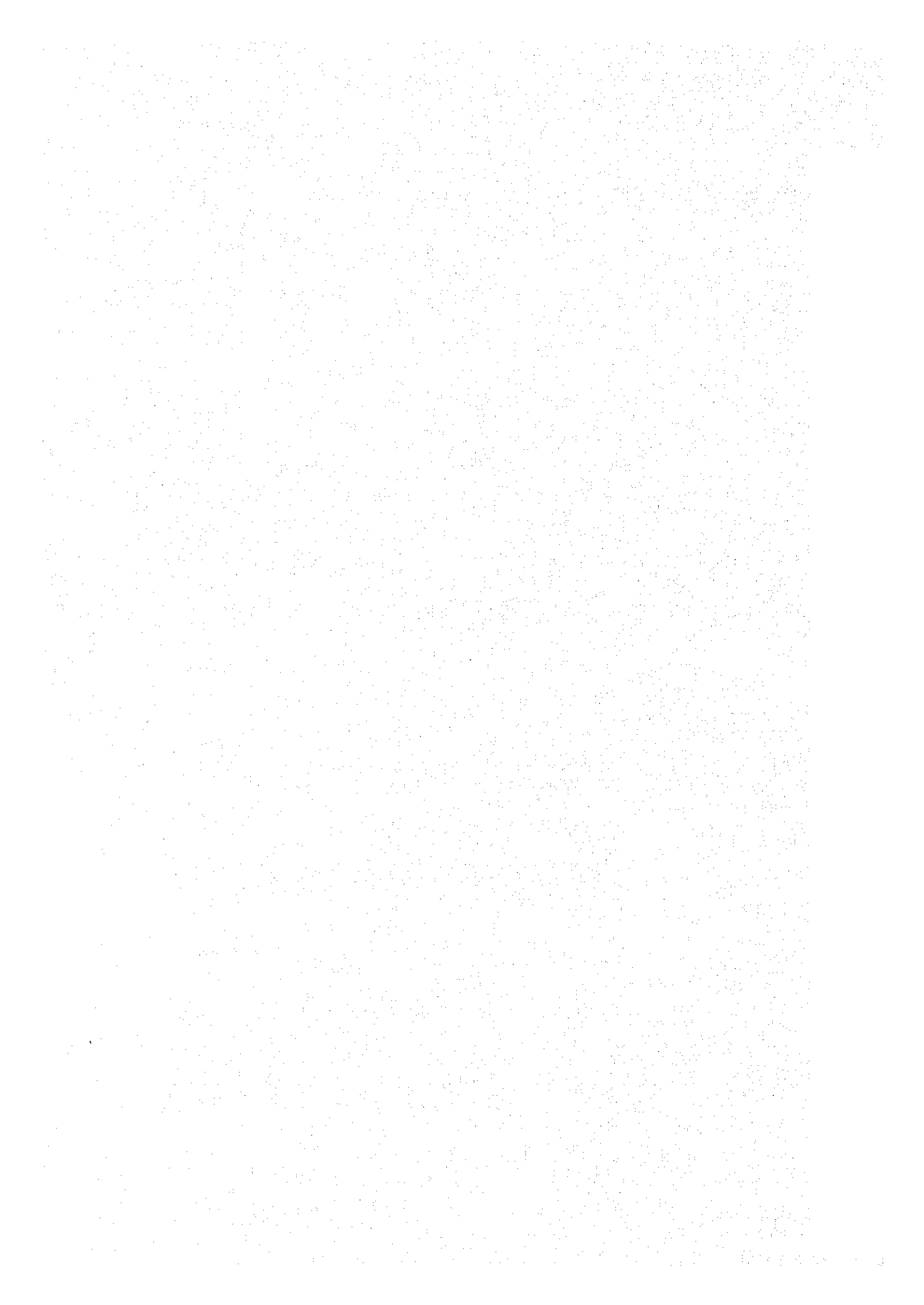








## 6. GROUNDWATER LEVEL



GROUNDWATER LEVEL(1)

18, MAY, '89 - 9, JUN., '89

No.	DEPTH(m)											
	ELEVATION(m)											
GL(m)	MAY			JUN.								
	18	24	31	1	2	3	5	6	7	8	9	
A003	7.19	7.14	7.11	7.10	7.09		7.06	7.05	7.04	7.03	7.02	
	19.63	12.44	12.49	12.52	12.53	12.54	12.57	12.58	12.59	12.60	12.61	
A005	7.66	7.77	7.65	7.66	7.64		7.61	7.58	7.56	7.50	7.42	
	28.24	20.58	20.47	20.59	20.58	20.60	20.63	20.66	20.68	20.74	20.82	
A006	33.22	33.25	33.26	33.27	33.27		33.28	33.28	33.28	33.28	33.28	
	35.06	1.84	1.81	1.80	1.79	1.79	1.78	1.78	1.78	1.78	1.78	
A007	20.69	20.87	20.93	21.04	21.02		21.02	21.01	21.09	21.18	21.19	
	56.04	35.35	35.17	35.11	35.00	35.02	35.02	35.03	34.95	34.86	34.85	
V1	55.40											
V3	36.55											
W1				18.11	24.54	24.68	25.48	23.03	26.29	27.10		
	62.48				44.37	37.94	37.80	37.00	39.45	36.19	35.38	
W2			17.78	17.12	18.06	18.40	19.12	19.35	16.24	18.05	18.58	
	49.86			32.08	32.74	31.80	31.46	30.74	30.51	33.62	31.81	31.28
W3	32.11											
W4	15.44											
X2	37.95											
Y1										13.70		
	44.43										30.73	
Y2	29.49											
Y3	19.77											
Z4	12.30											
DW-1	45.50											







































GROUNDWATER LEVEL(10)

20, OCT., '89 - 8, NOV., '89

No.	DEPTH(m)											
	ELEVATION(m)											
OCT.	NOV.											
GL(m)	20	23	24	25	26	27	30	31	2	3	8	
A003	6.18	6.12	6.14	6.07	5.99	5.97	5.94	5.96	5.93	5.97	5.93	
	19.63	13.45	13.51	13.49	13.56	13.64	13.66	13.69	13.67	13.70	13.66	
A005	8.93	8.96	8.99	8.97	8.99	9.01	9.04	9.04	9.07	9.09	9.09	
	28.24	19.31	19.28	19.25	19.27	19.25	19.23	19.20	19.20	19.17	19.15	
A006	33.18	33.20	33.21	33.18	33.20	33.21	33.25	33.21	33.25	33.25	33.29	
	35.06	1.88	1.86	1.85	1.88	1.86	1.85	1.81	1.85	1.81	1.81	
A007	23.27ABAND.											
	56.04	32.77										
V1	29.06	29.06	29.06	29.06	29.05	29.03	29.03	29.06	29.06	29.06	29.05	
	55.40	26.34	26.34	26.34	26.34	26.35	26.37	26.37	26.34	26.34	26.34	
V3	14.52	14.52	14.52	14.52	14.52	14.52	14.51	14.51	14.52	14.52	14.51	
	36.55	22.03	22.03	22.03	22.03	22.03	22.03	22.04	22.04	22.03	22.03	
W1	27.90	27.90	27.90	27.90	27.90	27.92	27.94	27.93	27.95	27.93	27.93	
	62.48	34.58	34.58	34.58	34.58	34.58	34.56	34.54	34.55	34.53	34.55	
W2	21.17	21.19	21.20	21.19	21.19	21.19	21.19	21.19				
	49.86	28.69	28.67	28.66	28.67	28.67	28.67	28.67	15.41			
									27.67			
W3	17.86	17.85	17.89	17.86	17.83	17.97	18.05	18.09	18.10	18.12	18.14	
	32.11	14.25	14.26	14.22	14.25	14.28	14.14	14.06	14.02	14.01	13.99	
W4	2.92	2.90	2.88	2.90	2.91	2.90	2.89	2.88	2.87	2.88	2.89	
	15.44	12.52	12.54	12.56	12.54	12.53	12.54	12.55	12.56	12.57	12.56	
X2	6.60	6.60	6.60	6.60	6.60	6.60	6.59	6.60	6.60	6.60	6.60	
	37.95	31.35	31.35	31.35	31.35	31.35	31.35	31.36	31.35	31.35	31.35	
Y1	16.90	16.87	16.89	16.86	16.83	16.87	16.90	16.89	16.89	16.89	16.87	
	44.43	27.53	27.56	27.54	27.57	27.60	27.56	27.53	27.54	27.54	27.56	
Y2	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.18	21.19	21.19	21.19	
	29.49	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.31	8.30	8.30	
Y3	8.36	8.33	8.33	8.31	8.28	8.31	8.33	8.34	8.30	8.34	8.09	
	19.77	11.41	11.44	11.44	11.46	11.49	11.46	11.44	11.43	11.47	11.43	
Z4	8.94	8.90	8.91	8.90	8.84	8.69	8.53	8.59	8.84	8.86	8.78	
	12.30	3.36	3.40	3.39	3.40	3.46	3.61	3.77	3.71	3.46	3.44	
DW-1	45.50											

















































## GROUNDWATER LEVEL(21)

11, MAY, '90 - 31, MAY, '90

No.	MAY											
	GL(m)	11	14	15	16	17	18	21	23	25	28	31
A003	5.44	5.37	5.34	5.32	5.34	5.39	5.40	5.41	5.49	5.37	5.38	
	19.63	14.19	14.26	14.29	14.31	14.29	14.24	14.23	14.22	14.14	14.26	14.25
A005	8.15	8.25	8.22	8.28	8.30	8.26	8.31	8.34	8.39	8.57	8.61	
	28.24	20.09	19.99	20.02	19.96	19.94	19.98	19.93	19.90	19.85	19.67	19.63
A006	33.30	33.27	33.30	33.30	33.30	33.32	33.38	33.40	33.40	33.17	33.18	
	35.06	1.76	1.79	1.76	1.76	1.74	1.68	1.66	1.66	1.89	1.88	
V1	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25
	55.40	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15
V3	14.51	14.50	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.50
	36.55	22.04	22.05	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.05
W1	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.83
	62.48	34.62	34.62	34.62	34.62	34.62	34.62	34.62	34.62	34.62	34.62	34.65
W2	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36	WASH	15.69	16.66
	43.08	27.72	27.72	27.72	27.72	27.72	27.72	27.72	27.72		27.39	27.67
W3	18.24	18.24	18.24	18.24	18.24	18.24	18.24	18.24	18.24	18.24	18.24	28.11
	32.11	13.87	13.87	13.87	13.87	13.87	13.87	13.87	13.87	13.87	13.87	4.00
W4	2.79	2.80	2.80	2.80	2.81	2.86	2.89	2.89	2.90	2.91	2.98	
	15.44	12.65	12.64	12.64	12.64	12.63	12.58	12.55	12.55	12.54	12.53	12.46
X2	6.49	6.48	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	12.01
	37.95	31.46	31.47	31.46	31.46	31.46	31.46	31.46	31.46	31.46	31.46	25.94
Y1	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.98
	44.43	27.44	27.44	27.44	27.44	27.44	27.44	27.44	27.44	27.44	27.44	27.45
Y2	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.20
	29.49	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.29
Y3	7.99	7.30	7.67	7.83	7.85	7.86	7.78	7.83	7.80	7.78	7.83	
	19.77	11.78	12.47	12.10	11.94	11.92	11.91	11.99	11.94	11.97	11.99	11.94
Z4	8.60	8.40	8.80	8.80	8.80	8.80	8.82	8.80	8.80	8.80	8.80	8.49
	12.30	3.70	3.90	3.50	3.50	3.50	3.50	3.48	3.50	3.50	3.50	3.81
DW-1	45.50						19.71	16.56	15.46	15.25	15.14	15.05



## GROUNDWATER LEVEL(22)

1, JUN., '90 - 14, JUN., '90

No.	JUN.	DEPTH(m)										
		ELEVATION(m)										
GL(m)	1	2	4	5	6	7	8	11	12	13	14	
A003	5.39	5.39	5.39	5.50	5.53	5.61	5.55	5.46	5.43	5.40	5.45	
	19.63	14.24	14.24	14.24	14.13	14.10	14.02	14.08	14.17	14.20	14.23	14.18
A005	8.63	8.64	8.61	8.60	8.51	8.50	8.63	8.76	8.78	8.80	8.79	
	28.24	19.61	19.60	19.63	19.64	19.73	19.74	19.61	19.48	19.46	19.44	19.45
A006	33.17	33.17	33.28	33.36	33.40	33.40	33.39	33.37	33.39	33.40	33.36	
	35.06	1.89	1.89	1.78	1.70	1.66	1.66	1.67	1.69	1.67	1.66	1.70
V1	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	
	55.40	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15
V3	14.50	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51	
	36.55	22.05	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04
W1	27.84	27.84	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	
	62.48	34.64	34.64	34.62	34.62	34.62	34.62	34.62	34.62	34.62	34.62	34.65
W2	16.93	17.06	17.30	16.50	16.69	12.90	13.54	14.56	14.67	14.75	14.93	
	43.08	26.15	26.02	25.78	26.58	26.39	30.18	29.54	28.52	28.41	28.33	27.67
W3	29.21	29.48	29.70	29.80	29.87	29.90	29.90	29.94	29.92	29.95	29.75	
	32.11	2.90	2.63	2.41	2.31	2.24	2.21	2.21	2.17	2.19	2.16	2.36
W4	2.98	2.96	2.93	2.90	2.93	3.05	2.99	3.00	3.00	3.00	3.04	
	15.44	12.46	12.48	12.51	12.54	12.51	12.39	12.45	12.44	12.44	12.44	12.40
X2	12.46	12.60	12.80	12.94		14.46	14.51	14.53	14.60	15.35	16.20	
	37.95	25.49	25.35	25.15	25.01	23.49	23.44	23.42	23.35	22.60	21.75	
Y1	16.98	16.98	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99	
	44.43	27.45	27.45	27.44	27.44	27.44	27.44	27.44	27.44	27.44	27.44	27.44
Y2	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.20	
	29.49	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.29	
Y3	6.54	6.91	7.20	7.67	7.84	7.84	7.80	7.74	7.69	7.50	7.78	
	19.77	13.23	12.86	12.57	12.10	11.93	11.93	11.97	12.03	12.08	12.27	11.99
Z4	7.83	7.22	7.81	8.00	8.30	8.26	8.30	8.36	8.54	8.30	8.80	
	12.30	4.47	5.08	4.49	4.30	4.00	4.04	4.00	3.94	3.76	4.00	3.50
DW-1	45.50	15.14	15.05	14.93	14.93		14.85			14.74		





## GROUNDWATER LEVEL(23)

15, JUN., '90 - 5, JUL., '90

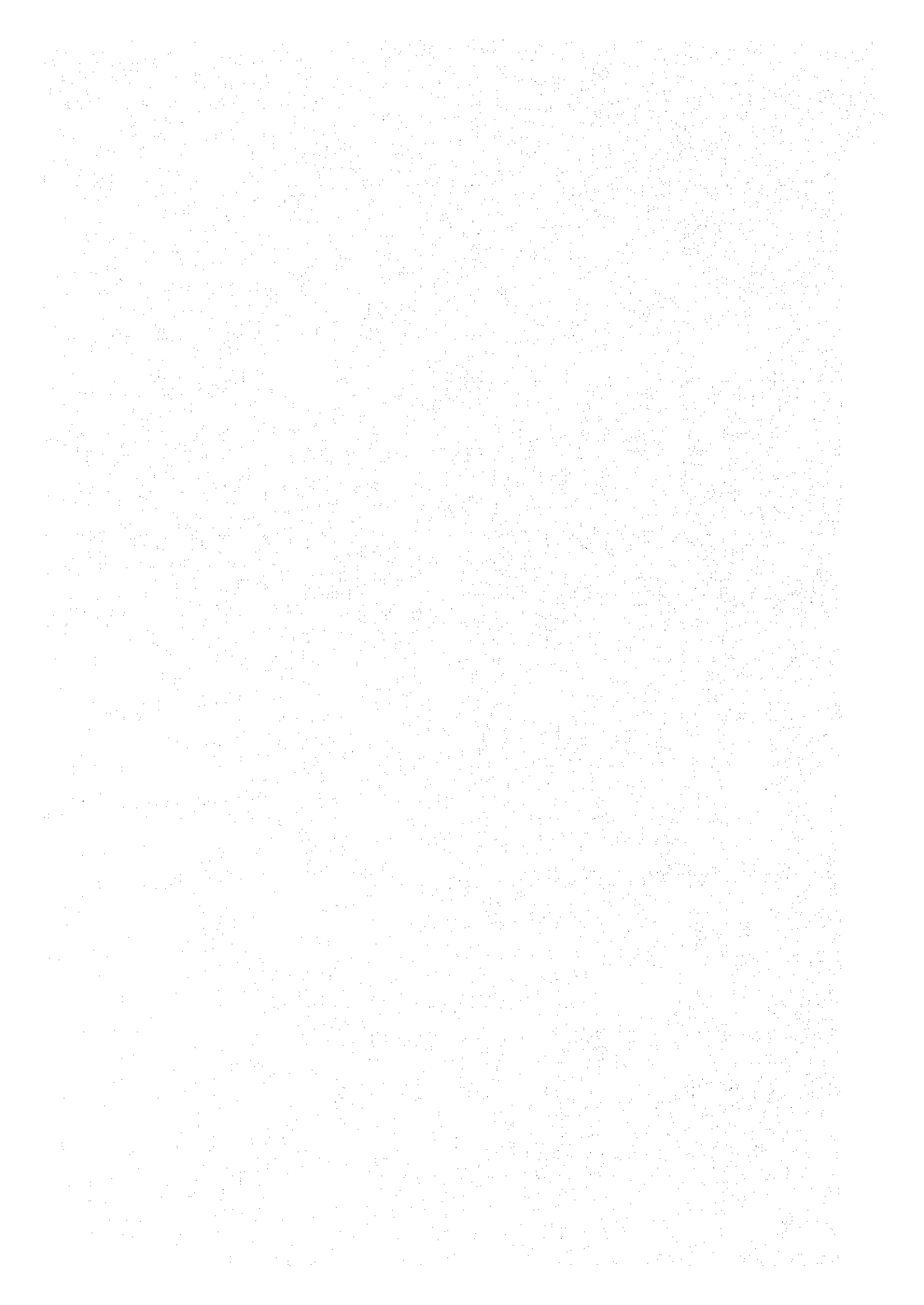
No.	DEPTH(m)										
	ELEVATION(m)										
GL(m)	JUN.					JUL.					
	15	18	19	20	22	25	26	27	29	2	5
A003	5.46	5.51	5.46	5.50	5.46	5.47	5.49	5.55	5.52	5.49	5.53
	19.63	14.17	14.12	14.17	14.13	14.17	14.16	14.14	14.08	14.11	14.14
A005	8.86	8.91	8.80	8.90	8.81	9.06	9.04	9.02	8.93	8.90	8.89
	28.24	19.38	19.33	19.44	19.34	19.43	19.18	19.20	19.22	19.31	19.34
A006	33.40	33.39	33.40	33.38	33.40	33.37	33.40	33.40	33.40	33.41	33.40
	35.06	1.66	1.67	1.66	1.68	1.66	1.69	1.66	1.66	1.65	1.66
V1	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25	27.25
	55.40	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15	28.15
V3	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51
	36.55	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04
W1	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86
	62.48	34.62	34.62	34.62	34.62	34.62	34.62	34.62	34.62	34.62	34.62
W2	15.03	15.00	15.58	15.65	15.68	15.92	15.90	15.91	16.00	16.06	16.36
	43.08	28.05	28.08	27.50	27.43	27.40	27.16	27.18	27.17	27.08	27.02
W3	29.95	29.95	29.90	30.00	30.01	30.00	30.00	30.00	30.02	29.75	29.99
	32.11	2.16	2.16	2.21	2.11	2.10	2.11	2.11	2.09	2.36	2.12
W4	3.06	3.04	3.07	3.09	3.11	3.01	3.00	3.06	3.02	3.05	3.13
	15.44	12.38	12.40	12.37	12.35	12.33	12.43	12.44	12.38	12.42	12.39
X2	16.35	16.30	16.97	17.30	17.40	18.81	18.83	18.87	18.04	18.08	18.20
	37.95	21.60	21.65	20.98	20.65	20.55	19.14	19.12	19.08	19.91	19.87
Y1	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99	16.99
	44.43	27.44	27.44	27.44	27.44	27.44	27.44	27.44	27.44	27.44	27.44
Y2	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.19	21.20
	29.49	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.29
Y3	7.80	7.80	7.70	7.80	7.81	7.60	7.66	7.65	7.70	7.76	7.97
	19.77	11.97	11.97	12.07	11.97	11.96	12.17	12.11	12.12	12.07	12.01
Z4	8.81	8.80	8.58	8.78	8.79	8.60	8.63	8.57	8.59	8.73	8.82
	12.30	3.49	3.50	3.72	3.52	3.51	3.70	3.67	3.73	3.71	3.57
DW-1	45.50			14.60	14.61						







## 7. GROUNDWATER PROSPECTING



GROUNDWATER PROSPECTING

No. BV-W2

DEPTH: 22.2m

DATE: 13, JUN., 1989

GROUNDWATER LEVEL: 18.83m

WEATHER: FINE

(RESISTIVITY:  $K \Omega \cdot cm$ )

DEPTH (m)	BACK- GROUND	0 (min)	5 (min)	10 (min)	15 (min)	30 (min)	60 (min)	120 (min)	180 (min)
19.00	2.200	1.159	0.526	0.564	0.646	0.729	0.837	0.584	0.768
19.50	2.060	0.630	0.526	0.319	0.812	1.060	1.235	1.327	1.343
20.00	1.990	0.391	0.211	0.027	0.212	0.254	0.383	0.539	0.699
20.50	1.590	0.238	0.042	-0.034	0.019	0.029	0.077	0.177	0.355
21.00	1.270	0.195	0.006	-0.002	-0.002	0.001	0.006	0.005	0.022
21.50	1.230	0.166	0.026	0.021	0.023	0.025	0.029	0.026	0.029
22.00	1.210	0.143	0.037	0.041	0.043	0.045	0.050	0.048	0.049





GROUNDWATER PROSPECTING

No. BV-W3

DEPTH: 18.35m

DATE: 9, AUG., 1989

GROUNDWATER LEVEL: 16.25m

WEATHER: FINE

(RESISTIVITY:  $K\Omega \cdot cm$ )

DEPTH (m)	BACK- GROUND	0 (min)	5 (min)	10 (min)	15 (min)	30 (min)	60 (min)	120 (min)	180 (min)
16.25	0.127	0.048	0.004	0.007	0.008	0.012	0.019	0.018	0.057
16.50	0.127	0.046	0.003	0.005	0.006	0.009	0.012	0.015	0.020
16.75	0.126	0.044	0.005	0.007	0.009	0.012	0.014	0.017	0.024
17.00	0.125	0.042	0.008	0.012	0.013	0.017	0.019	0.023	0.026
17.25	0.125	0.044	0.008	0.015	0.016	0.019	0.022	0.025	0.026
17.50	0.125	0.052	0.005	0.013	0.012	0.017	0.020	0.021	0.022
17.75	0.124	0.065	0.004	0.009	0.011	0.011	0.012	0.013	0.013
18.00	0.124	0.077	0.002	0.005	0.006	0.006	0.006	0.004	0.004
18.25	0.123	0.078	0.001	0.004	0.006	0.006	0.005	0.003	0.003



GROUNDWATER PROSPECTING

No. BV-W4

DEPTH: 12.7m

DATE: 31, JAN., '90

GROUNDWATER LEVEL: 3.01m

WEATHER: FINE

(RESISTIVITY: K  $\Omega$  · cm)

DEPTH (m)	BACK- GROUND	0 (min)	5 (min)	10 (min)	15 (min)	30 (min)	60 (min)	120 (min)	180 (min)
3.25	0.930	0.082	-0.005	-0.005	-0.005	-0.004	-0.001	0.007	0.012
3.50	0.952	0.083	-0.006	-0.006	-0.006	-0.004	-0.002	0.004	0.008
3.75	0.957	0.084	-0.007	-0.008	-0.007	-0.005	-0.003	0.003	0.006
4.00	0.960	0.084	-0.007	-0.008	-0.007	-0.005	-0.003	0.002	0.006
4.25	0.960	0.086	-0.008	-0.010	-0.009	-0.007	-0.005	0.000	0.004
4.50	0.960	0.089	-0.009	-0.012	-0.012	-0.009	-0.006	-0.003	0.001
4.75	0.961	0.092	-0.010	-0.014	-0.014	-0.011	-0.009	-0.003	-0.001
5.00	0.948	0.105	-0.017	-0.021	-0.019	-0.018	-0.018	-0.012	-0.009
5.25	0.946	0.117	-0.015	-0.024	-0.022	-0.022	-0.020	-0.016	-0.014
5.50	0.940	0.117	-0.012	-0.021	-0.019	-0.020	-0.017	-0.014	-0.011
5.75	0.932	0.110	-0.005	-0.012	-0.013	-0.012	-0.008	-0.006	-0.003
6.00	0.925	0.104	-0.001	-0.003	0.002	-0.005	-0.001	0.002	0.005
6.25	0.921	0.124	0.001	-0.004	-0.004	-0.016	-0.007	-0.009	-0.004
6.50	0.918	0.143	-0.003	-0.018	-0.019	-0.029	-0.019	-0.020	-0.019
6.75	0.915	0.163	-0.013	-0.028	-0.035	-0.036	-0.033	-0.034	-0.033
7.00	0.913	0.164	-0.009	-0.025	-0.032	-0.035	-0.032	-0.033	-0.035
7.25	0.910	0.166	-0.011	-0.025	-0.028	-0.035	-0.033	-0.033	-0.035
7.50	0.904	0.148	-0.009	-0.010	-0.007	-0.016	-0.014	-0.015	-0.014
7.75	0.885	0.142	-0.001	0.000	0.002	0.000	-0.001	-0.001	-0.001
8.00	0.868	0.148	0.004	0.005	0.008	0.014	0.004	0.000	0.000
8.25	0.841	0.175	-0.003	-0.002	0.002	-0.002	-0.010	-0.019	-0.021
8.50	0.797	0.180	0.003	-0.001	-0.001	-0.004	-0.010	-0.021	-0.021
8.75	0.768	0.179	0.005	0.002	0.000	-0.001	-0.007	-0.016	-0.016
9.00	0.724	0.175	0.006	0.006	0.002	0.001	-0.001	-0.010	-0.010
9.25	0.712	0.170	-0.005	-0.006	-0.009	-0.007	-0.002	-0.001	-0.003
9.50	0.691	0.139	0.009	0.018	0.022	0.026	0.029	0.032	0.030
9.75	0.680	0.149	0.012	0.015	0.016	0.017	0.018	0.021	0.020
10.00	0.668	0.157	0.005	0.007	0.008	0.009	0.010	0.012	0.013
10.25	0.655	0.138	0.020	0.023	0.023	0.027	0.028	0.030	0.031
10.50	0.642	0.113	0.013	0.018	0.023	0.030	0.031	0.043	0.048
10.75	0.631	0.098	0.012	0.017	0.021	0.029	0.037	0.047	0.050
11.00	0.626	0.109	0.006	0.010	0.012	0.017	0.023	0.031	0.034
11.25	0.619	0.105	0.009	0.012	0.014	0.017	0.023	0.032	0.036
11.50	0.611	0.091	0.005	0.011	0.014	0.017	0.025	0.034	0.039
11.75	0.600	0.078	0.002	0.006	0.005	0.008	0.014	0.024	0.028
12.00	0.594	0.061	0.001	0.002	0.002	0.004	0.007	0.015	0.018
12.25	0.590	0.053	0.001	0.002	0.003	0.004	0.005	0.009	0.011
12.50	0.585	0.051	0.000	0.001	0.001	0.002	0.003	0.006	0.008



GROUNDWATER PROSPECTING

No. BV-Z4

DEPTH: 12.1m

DATE: 8, AUG., 1989

GROUNDWATER LEVEL: 8.86m

WEATHER: FINE

(RESISTIVITY: KΩ · cm)

DEPTH (m)	BACK- GROUND	0 (min)	5 (min)	10 (min)	15 (min)	30 (min)	60 (min)	120 (min)	180 (min)
9.00	0.496	0.072	0.004	0.008	0.014	0.051	0.101	0.257	0.301
9.25	0.428	0.059	0.006	0.007	0.005	0.010	0.007	0.025	0.142
9.50	0.427	0.050	0.002	0.005	0.003	0.005	0.005	0.010	0.014
9.75	0.427	0.044	0.002	0.003	0.002	0.005	0.003	0.007	0.011
10.00	0.427	0.040	0.002	0.003	0.002	0.003	0.003	0.006	0.010
10.25	0.426	0.037	0.001	0.001	0.002	0.003	0.002	0.004	0.006
10.50	0.427	0.035	0.001	0.000	0.001	0.001	0.001	0.002	0.004
10.75	0.427	0.033	0.000	0.000	0.000	0.001	0.001	0.002	0.003
11.00	0.427	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.002
11.25	0.427	0.031	0.000	0.000	-0.001	-0.001	0.000	0.000	0.002
11.50	0.427	0.029	0.000	0.000	0.000	0.000	0.001	0.002	0.003
11.75	0.426	0.027	-0.001	0.000	0.000	0.000	0.001	0.002	0.003
12.00	0.425	0.026	0.001	0.001	0.001	0.003	0.004	0.004	0.006

